

NCEMSF 2007

The 14th Annual
Conference of the
National Collegiate
Emergency Medical
Services Foundation



February 23-25, 2007

**Marriott Inner Harbor at Camden Yards
Baltimore, Maryland**

Hosted in conjunction with

Johns Hopkins University Emergency Response Organization and
University of Maryland Baltimore County EMS

Table of Contents

Conference Policies	2
About NCEMSF	3
About the Conference Hosts	4
Conference Schedule - Friday	5
Facility Floor Plan	5
Conference Schedule - Saturday	6-12
Tradeshow Participants	6
Schools in Attendance	13-14
Conference Schedule - Sunday	15-17
Speaker Bios	18-23
Continuing Medical Education	23
Schedule Summary	24

Conference Policies

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

- 1) Attendees are expected to conduct themselves as the young adult professionals that they are and to display the same degree of decency and respect toward other conference attendees, hotel guests, and staff that they would exhibit while responding to campus medical emergencies and interacting with patients.
- 2) Noise production is to be kept to a level appropriate to an indoor hotel environment and is to be respectful of the hour and considerate of the surroundings.
- 3) The consumption of alcohol by those younger than the federal and state legal minimum drinking age of 21 years as well as the use of drugs or other illegal substances by attendees of any age is strictly prohibited.
- 4) Common areas and private rooms of the host facility are to be left in the same fashion in which they were found upon arrival. Any damage to, or destruction of, property will be the financial responsibility of the offending individuals.
- 5) Participation in conference lectures and activities grants permission for the use of one's image in NCEMSF publications and promotional materials.
- 6) Conference speakers are experts in their given fields. The information they present and opinions they express, however, are not necessarily those of NCEMSF. Attendees are reminded to follow their prescribed operating procedures and to contact their agency's medical director before changing medical protocol.

The aforementioned apply in addition to stated policies of the Baltimore Marriott Inner Harbor at Camden Yards, and laws of the City of Baltimore, State of Maryland, and the United States.

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

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

President's Welcome

It is my pleasure to welcome you to the National Collegiate EMS Foundation (NCEMSF) Conference hosted in conjunction with Johns Hopkins University Emergency Response Unit (HERU) and University of Maryland Baltimore County EMS (UMBC EMS). For fourteen years our conferences have focused on strengthening campus-based Emergency Medical Services. The educational experience gained from the workshops and sessions combined with networking opportunities will enable you to learn and exchange ideas. We hope that you return to your campus energized with new initiatives to implement and creative solutions to problems that you may encounter in the future. I look forward to meeting you at the conference.

NCEMSF Mission Statement

The National Collegiate Emergency Medical Services Foundation's (NCEMSF) purpose is to support, promote, and advocate Emergency Medical Services (EMS) on college and university campuses. The Foundation is committed to the advancement of existing response groups and assisting in the development of new response groups. The Foundation provides a forum for the exchange of ideas of campus-based emergency response issues. To these ends, the Foundation is committed to scholarship, research and consultancy activities and to creating a safer environment on college and university campuses.

NCEMSF History

In the early 1990s, with the widespread use of computers linked via the precursor to the Internet, e-mail communication among campus emergency responders was commonplace. For readers of the emergency services Usenet group (misc.emerg-services) and its related e-mail list (EMERG-L), there was occasionally a thread about campus-related EMS. But frequently, discussions on the topic of campus EMS were shunned as inappropriate or obscure. As a result, the campus EMS groups that existed were isolated since there was no good forum where they could openly communicate with each other.

In 1993, in response to a need for information exchange among campus EMS groups, the National Collegiate EMS Foundation (NCEMSF) was established. A loosely associated nationwide group of campus responders was formally brought together by Jon Diorio of Georgetown University (Washington, DC) and others.

Filling a niche, NCEMSF quickly grew. In April 1994 NCEMSF held its first conference at Georgetown University. Representatives from over twenty campus EMS organizations spent the weekend of April 8-10 learning about EMS, meeting each other, and having a great time.

Annual conferences every year since 1994 have been a cornerstone of NCEMSF. Providing networking and information exchange among campus emergency responders remains one of the Foundation's main goals.

NCEMSF Leadership

NCEMSF Executive Officers

President	George J. Koenig, Jr., DO
Vice-President	Scott C. Savett, PhD
Secretary	Joshua A. Marks
Treasurer	Michael S. Wiederhold, MD, MPH
Director-at-Large	Mark E. Milliron, MS, MPA
Director-at-Large	Eric MaryEa, NREMT-P

Division Chairs / Coordinators

Membership	Karolina A. Schabases, MPH
Nat'l Coordinator	Michael T. Hilton
Startup	David I. Bacall
Alumni	John Wenzel
EMS Week	Timothy McMichael

Regional Coordinators

Canada	Brianna Julien
Central	(available)
Massachusetts	Steph Sharp
Mid-Atlantic	David Weand
Midwest	(available)
New York	Eric Pohl
North Central	Michael O'Brien
Northeast	Yoni Litwok
N. New England	Matthew Friedman
Pennsylvania	Andrew Mener
Southeast	Noah Prince
West	(available)

About the Conference Hosts

Welcome to Baltimore, home of the 2007 NCEMSF Conference! The 2007 conference is brought to you by NCEMSF in coordination with the Hopkins Emergency Response Organization (HERO) and the University of Maryland Baltimore County Emergency Medical Service (UMBC EMS).

NCEMSF and the membership of the collegiate EMS host organizations have been, and will continue to be, working very hard to make this a successful conference. If you have any questions, or need any assistance, please feel free to ask a NCEMSF board member or collegiate EMS organization conference host.

Enjoy your stay in Baltimore!



The Hopkins Emergency Response Organization (HERO) provides emergency medical services to the 5000 students, faculty, and staff of the Johns Hopkins University, as well as to community members in the areas surrounding the Homewood Campus. HERO is comprised of the Hopkins Emergency Response Unit (HERU), which responds to medical emergencies, and the Hopkins Emergency Response Teaching Unit (HERTU), which teaches classes in CPR for the Professional Rescuer and Emergency Response. HERU operates under the Maryland EMT-Basic level of care, and is on duty 24 hours a day, 7 days a week during the normal academic calendar. Operational oversight for HERU is provided by Johns Hopkins Security, and medical oversight is provided by Dr. Joffe of the Johns Hopkins Student Health and Wellness Center. HERU can be reached by calling 410-516-7777 for any medical emergency on or around campus. Please visit HERO's website at <http://heru.jhu.edu> for more information.



Since its inception almost 20 years ago, University of Maryland Baltimore County EMS (UMBC EMS) has evolved to meet the demands of a young and ever-growing campus. The organization is currently housed in the EMS Living Learning Community, a dormitory floor dedicated to students with EMS backgrounds that has been featured in numerous media publications. UMBC EMS has accomplished many goals in its short lifespan, acting as a bike first response team and more recently as a strong political arm in the campus community. In the summer of 2005, UMBC EMS provided funding to affiliated student interns with the London Ambulance Service. Currently, UMBC EMS is campaigning to raise public safety awareness within the student body, as well as educate the campus community on basic life saving techniques. The organization has expanded its efforts in this recent endeavor by urging Maryland government officials to mandate publicly accessible AEDs in the university community. The organization has strong ties to the Emergency Health Services department at UMBC, home of the first bachelor's degree in the field of EMS. Located minutes outside of Baltimore, UMBC has become a breeding ground for many prominent leaders in the emergency services; serving as a beacon of excellence and progress in the education of EMS professionals. UMBC EMS continues to foster the ideals of the next generation of EMS providers through its accomplished membership.

Celebrating the NCEMSF Conference Tradition *NCEMSF Conference Hosts*

1994 - Georgetown University	2002 - SUNY Stony Brook
1995 - Villanova University	2003 - The George Washington University
1996 - Rensselaer Polytechnic Institute	2004 - Johns Hopkins University
1997 - Marshall University	2005 - Ursinus College & Villanova University
1998 - University of Hartford & Trinity College	2006 - BU, Brandeis, MIT & Tufts
1999 - Syracuse University	2007 - Johns Hopkins University & UMBC
2000 - University of Delaware	2008 - RFP @ www.ncemsf.org/about/conf2008
2001 - Rochester Institute of Technology	

Conference Schedule - Friday, February 23, 2007

5:00 pm - 10:00 pm *Conference Check-in* *Lobby*

All attendees must check-in individually. Upon check-in, attendees will receive a name badge that should be worn throughout the weekend as admittance to conference activities and CME tracking require it. Campus EMS leaders and alumni should identify themselves to receive the appropriate ribbon for their badge.

6:00 pm - 12:00 am *Medtronic EMS Skills Competition* *Univ. Ballroom*

Pre-registered teams should check-in at the skills competition table in the lobby to receive their team number and approximate start time. A skills competition tracker will run in the Welcome Social and team numbers will be called when the skills judges are ready for the next group. Ask at the skills competition table for more information or to find out if there is space for your school to still participate.

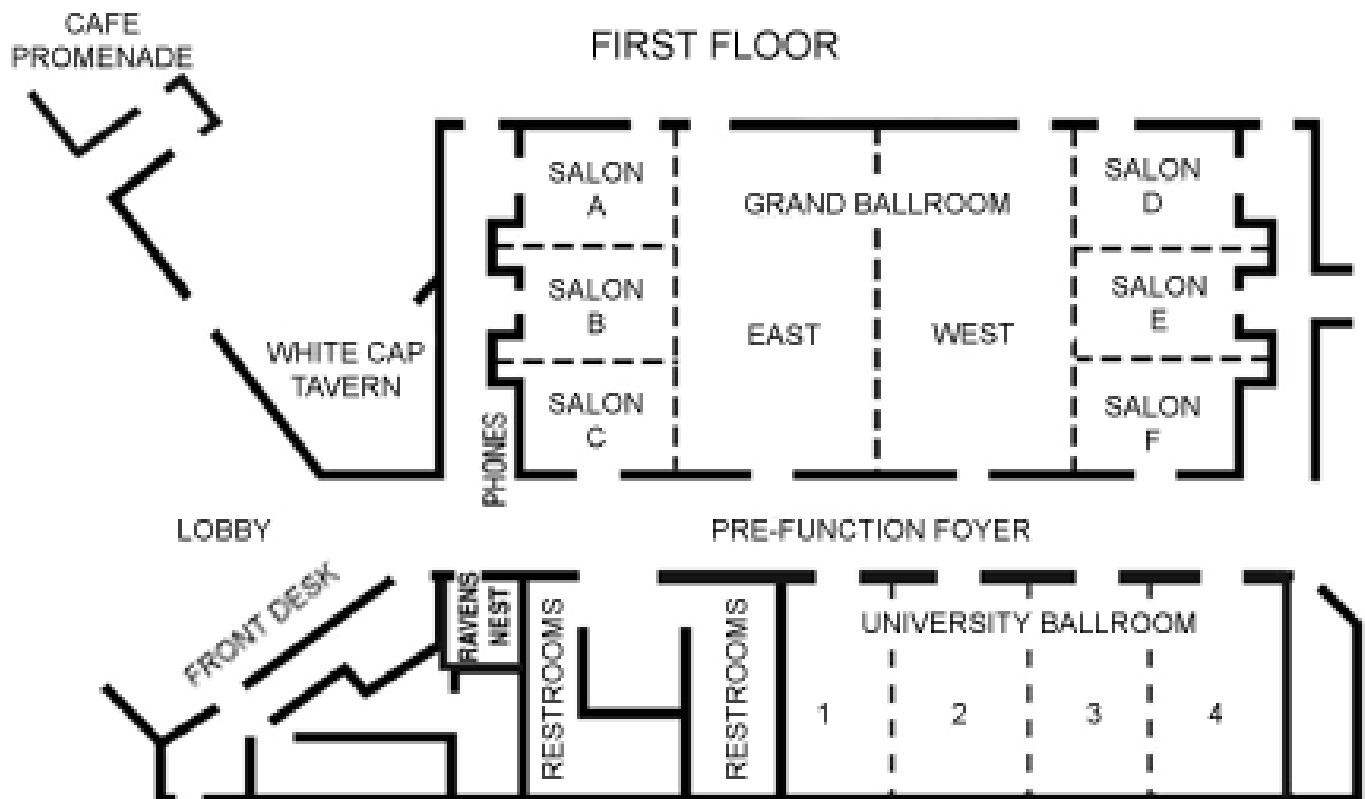
8:00 pm - 12:00 am *Zoll CPR Challenge* *Foyer*

Test your strength and endurance against the Zoll AutoPulse in a quest to outperform the machine. Contestants will perform two minutes of CPR as per the 2005 AHA Guidelines and the individual who performs the most effective CPR will win a new Zoll AED Plus for his/her squad - to be presented Saturday evening.

8:00 pm - 12:00 am *Welcome Social* *Grand Ballroom*

Relax after a day's travel with a live DJ and light refreshments. Mingle with other collegiate EMS responders as they arrive. Exchange your squad's patches, pins and shirts with those you meet. Show your squad's pride by making a banner to be presented by your squad at the *Meet and Greet* Saturday morning.

Marriott Inner Harbor at Camden Yards Floor Plan



Conference Schedule - Saturday, February 24, 2007

7:30 am - 10:00 am	<i>Late Conference Check-in</i>	<i>Lobby</i>
7:30 am - 8:30 am	<i>Continental Breakfast</i>	<i>Foyer</i>
7:30 am - 4:45 pm	<i>Tradeshow and Recruitment Fair</i>	<i>Lobby/Foyer</i>

Participants



American Medical Response
Precyous Wilson
(215) 629-2600 ext. 141

Fieldmedics.com
www.fieldmedics.com
James Weber, Vice President
(215) 317-1552
jweber@fieldmedics.com

International Police Mountain Bike Assoc.
www.ipmba.org
Maureen Beclor, Executive Director
(410) 744-2400
info@ipmba.org



Mecklenburg EMS Agency
www.medic911.com
Kevin Staley, Medical Services Director
(704) 943-6220
kevins@medic911.com



Medtronic Emergency Response Systems
www.medtronic.com
Jim Springer, Senior Account Consultant
(800) 442-1142
jim.springer@medtronic.com



NCESMF Store/Emergency Training Associates
www.ncemsf.org/bookstore.ems
Up to 26% discount on EMS texts and apparel
Lou Jordan, President
(410) 756-2000
lou@emsbooks.com



Fire and Emergency Management Program (FEMP)
Department of Political Science
Oklahoma State University
Mike Sturzenbecker, Recruitment Coordinator
(405) 744-5569



Professional Associates
www.proassoc.com
W. Mike McMichael, EMS Administrator
(800) 456-4629
mikemc@proassoc.com



Stryker EMS Equipment
www.ems.stryker.com
Bruce Awtry, Mid Atlantic Territory Manager
(800) 669-4968
bruce.awtry@stryker.com



Work N' Leisure Products
www.wnltraining.com
Frank D'Agostino, Sales Associate
(800) 884-9629
frank@wnlsafety.com



Zoll Medical
www.zoll.com
Peter Landry, Senior Territory Manager
(800) 348-9011
plandry@zoll.com

Conference Schedule - Saturday, February 24, 2007

8:00 am - 8:50 am *Richard W. Vomacka Student Speaker Competition*

The Injured Athlete - Medical Emergencies in Sports *Salon A-C*
Holly Emmanuel, The Pennsylvania State University

This presentation will prepare you and your organization to handle various sports emergencies properly. Certain sports (i.e. football, gymnastics, ice hockey, swimming and diving) present unique extrication challenges. Helmet and shoulder pad removal, gymnastics pit removal, and backboarding on ice and in a swimming pool/diving well will be discussed.

Infectious Disease Prevention, Containment, & Control *Salon D-F*
Peter Garofalo, Patrick Gorman, & Michael Antonelli
United States Merchant Marine Academy

During the month of December 2006, the U.S. Merchant Marine Academy experienced an outbreak of what has been considered the noro-virus. With the campus EMS / Ambulance Squad taxed and unprepared, it took rapid on-scene planning and on the spot decisions to pull the Academy's student body through the massive epidemic. This presentation will cover the Academy health system, a chronological explanation of the weekend events, and an in-depth discussion of lessons learned and preparations made for future incidents.

What Level of Care Should You Provide? *Univ. Ballroom*
Christopher Nagle, SUNY Oswego

Since the advent of Emergency Medical Services, agencies have sprung up at colleges and universities across the nation. These squads provide valuable services to the campus community and the surrounding areas through mutual aid plans. Many factors, most importantly school size and setting, influence what level of care can reasonably be expected to be provided in the college setting. This presentation highlights three colleges within the State University of New York, and examines how their particular situation contributed to the development of EMS on their respective campuses. Special attention is given to the levels of care provided by the collegiate squads and how the situation of the campuses contributed to the operations of today.

8:00 am - 8:50 am *Regional Roundtables* *Grand E & W*

The NCEMSF National Coordinator invites squad captains and presidents to meet with your Regional Coordinator and other leaders in your geographic region. This session will serve as the first of three roundtable discussions this weekend that will allow you to network formally with your fellow schools and discuss issues facing your organization. Attendance will help your organization to grow within NCEMSF and your university. These sessions are limited to one or two representatives per school, and are ideally attended by squad leadership.

9:00 am - 9:50 am *Group Introductions / Meet & Greet* *Grand Ballroom*

Bring the banner you created on Friday night and show your organizational spirit. Each collegiate EMS organization will have an opportunity to briefly introduce themselves (school location, number of members, level of service, how many delegates at the conference, and one unique thing about their group).

10:00 am - 11:00 am *Workshop Session 1*

♦Shock Case Studies *Grand East*
Benjamin Lawner, DO

Shock is a medical emergency in which the organs and tissues of the body are not receiving an adequate flow of blood. This deprives the organs and tissues of

Conference Schedule - Saturday, February 24, 2007

oxygen and allows the buildup of waste products. Shock can result in serious damage or even death if not recognized and treated promptly. The etiology of shock can be related to five main causes: cardiogenic, hypovolemic, anaphylactic, septic, and neurogenic. This case based lecture will provide the attendees with an interactive experience as they learn how to diagnose and treat different types of shock.

★Are You An EMS Detective?

Grand West

Timothy J. Perkins

This presentation focuses on assisting the EMS Provider - “detective” - in raising awareness of their surroundings, and information presented to them - “clues” - to better assess and treat the patients they encounter. It deals with the external environment, as well as subjective and objective information. There also are case presentations/scenarios to assist the audience in understanding presented concepts. This presentation is applicable to all provider levels.

★Toxicology 101

Salon D-F

Mark Forgues, MEd

Common ingestions and overdoses will be addressed including tricyclic antidepressants, cocaine, ecstasy and GHB. These will be approached through the use of toxidromes; common pharmacodynamics caused by classes of drugs. Recognition of potential problems, appropriate supportive care, and the realization that there are few “antidotes” out there are some of the objectives of this program.

#Marketing Your Squad

Salon A-C

R. Wayne Powell

Marketing is visibility, consistency and repetition of your message to the members of the community that you serve. You need to be visible in a consistent way and repeat that message over and over again to your target audience. A sound marketing plan is vital to the success of your organization. This lecture will review the basic elements needed to develop and implement a marketing plan.

◎Common Disaster Myths

Univ. Ballroom

Andrew Milsten, MD

This lecture will review some of the key concepts and principles behind disaster medicine by looking at a series of ‘disaster myths’. These myths are really misconceptions and include the ideas that disasters are random killers; disasters are routine emergencies on a larger scale; and disasters invariably lead to epidemics, plagues, and disease outbreak. This lecture will also examine some aspects of human behavior after a disaster. By obtaining a deeper understanding of these key concepts, disaster planners can base their disaster response on valid assumptions.

Note: The concurrent workshop sessions for Saturday and Sunday are organized into tracks. Look for a symbol next to a topic name to identify the track:

◆ trauma; ★ medical; # administrative; ◎ potpourri

Sessions are open to all, however, seating in all rooms is limited. So plan ahead, and arrive early to avoid being shut out of a lecture you want to hear. Most presentation slides will be made available online post-conference.

Conference Schedule - Saturday, February 24, 2007

11:10 am - 12:10 pm Workshop Session 2

◆Head and Spinal Trauma

Grand East

Andrew Milsten, MD

This lecture will briefly review the pathophysiology associated with head injuries. Several different head and spinal traumatic conditions will be discussed. This includes brain lesions (diffuse and focal) and spinal cord injuries. Important physical exam findings and case management will be reviewed for each of these conditions. Finally, the lecture will review common pitfalls to avoid in the treatment of these patients.

★Managing the Difficult Airway

Grand West

Christopher T. Stephens, MD

The lecture will review the basics of airway management and discuss options and techniques for handling the compromised airway through the use of various commercially available airway adjuncts.

#Leadership Trough Advocacy

Salon A-C

Bruce J. Walz, PhD

Being a leader means being able to advocate for what you believe. This presentation will discuss the role of advocacy in leadership and introduce the participant to Advocates for EMS, a national EMS organization formed to educate the Congress on EMS issues and needs. Participants will learn the basics of contacting and interacting with Members of Congress.

#Administrative Roundtables

Financing

University 1

Recruitment and Retention

University 2

Training

University 3

NCEMSF Leadership

For the second of the three roundtable discussions this weekend, NCEMSF Leadership will moderate conversations addressing three common collegiate EMS problem areas: financing, recruitment and retention, and training. Choose the topic that you need to learn the most about or the one on which you have the most to offer others. Share your successes and failures and learn from one another. Again, these sessions are limited to one or two representatives per school, and are ideally attended by squad leadership.

◎Ambulance Safety: Everything That You Need To Know! *Salon D-F*

Nadine Levick, MD, MPH

This multimedia presentation addresses the issues relating to transport safety of patients and providers in ambulances. An overview of the statistics covering ambulance safety will be presented, including specifics of pediatric transport and comparisons with safety perspectives in air medical services will also be highlighted. Guidelines distributed by national and international organizations will be discussed to address improving the safety. Demonstration of video of crash testing of the ambulance environment during the transport of patients will highlight important predictable and preventable occupant risks and outline practices and strategies to enhance occupant safety in ambulance transport. New safety technologies for the ambulance transport environment will be profiled, with a review of what is on the horizon in safety development, personal protective equipment, policy and transport vehicle design.

Conference Schedule - Saturday, February 24, 2007

12:10 pm - 1:15 pm *Lunch*

With just a little over an hour for lunch, we recommend trying one of the establishments within two blocks of the hotel (mostly East [Left] on Pratt Street). The hotel's two restaurants offer full lunch menus as well. See Page 13 of the *NCEMSF Guide to Baltimore* for more details and suggestions. Save the great restaurants in the Inner Harbor and the rest of Baltimore for Saturday evening.

1:15 pm - 2:15 pm *Workshop Session 3*

◆Under Pressure

Grand East

Donald W. Alves, MD, MS, FAAEM, FACEP

Clarifying the presentation and clinical course of patients with rhabdomyolysis, hyperkalemia, and/or crush syndrome--and how EMS providers can attempt to positively influence the outcomes of these presentations.

★The Pediatric Patient

Grand West

Morgen Bernius, MD

This presentation will provide an introduction to the general assessment of the pediatric patient, with a focus on the unique anatomic and physiologic differences that can make children particularly challenging in EMS.

#Fire Based EMS: "A Portfolio Approach"

Salon A-C

William Goodwin, Chief Baltimore City Fire Department

Fire department based EMS systems are the frontline responders for medical emergencies in the pre-hospital environment and the safety net for those without access to primary care. The integration of both Fire and EMS requires extensive planning to create a seamless response system. This lecture will discuss the collaboration and management of Fire and EMS in the 21st century.

◎Occupational Risks for EMS Providers

Salon D-F

Brian Maguire, PhD

This will be a presentation of the findings of two major studies. The first study found that the EMS occupational injury rate is six times higher than the national average. We will discuss the leading types of injuries, illnesses and events. We will also discuss the overall occupational injury and illness rate and how it compares to the national average. The second is a study of EMS occupational fatalities that found the EMS rate to be more than twice the national average and comparable to police and firefighters. This presentation will help EMS personnel and managers to identify risks in their own organizations and to establish programs to mitigate those risks.

Life After Collegiate EMS:

University 1-3

Panel Discussion on how EMS has Influenced Career Decisions

Not sure what you are going to do after graduation? At this panel discussion you will hear from several people that have utilized their experience in EMS to guide their career choice. Represented on this panel are professionals who work in the public health, law, medical, and EMS management fields.

Airway Skills Lab

University 4

Christopher T. Stephens, MD and Benjamin Lawner, DO

This workshop will provide hands on exposure to various airway management modalities. Pre-registration required. Limited to the first 25 participants. Sign up at the registration table starting Saturday morning.

Conference Schedule - Saturday, February 24, 2007

2:25 pm - 3:25 pm *Workshop Session 4*

◆The Role of Medevac in a Statewide EMS System *Grand West* *Douglas Floccare, MD, MPH, FACEP*

Maryland became the first state to implement a statewide EMS System in 1973. The plan for development of the EMS System involved creating a system that would provide sophisticated pre-hospital treatment to the patient at the scene, rapid ground or air transport to hospitals capable of providing life-saving care, a network of specialty care hospitals to provide definitive treatment, and a communications network to link all the components of the EMS System. This lecture will discuss how Maryland has integrated Medevac into their statewide trauma system.

★Medical Case Studies *Grand East* *Steve Costalas, DO*

While much of the EMT curriculum concentrates on trauma, medical emergencies are more prevalent in the college campus environment. This seminar will highlight the evaluation, treatment and pathophysiology of such things as syncopal episodes, abdominal pains, asthma attacks, and diabetic emergencies.

★Five Good Reasons for Proper EMS Documentation *Salon D-F* *Carl Bittenbender*

This lecture will examine the role of proper documentation and its importance for individual providers and organizations as a whole. How we document what we do in the field affects patient care both directly and indirectly. We will examine five reasons for good documentation and cite case studies that illustrate that the PCR is more than just a simple piece of paper.

#Strategic Planning for the Collegiate EMS Agency *Salon A-C* *Raphael M. Barishansky, MPH*

Many collegiate EMS agencies are constantly worried about the "here and now" with little attention paid to the future. But you don't need help from the supernatural. Rational, well planned and thought out strategic plans - with input from all levels of the agency - can help make the future less frightening and put EMS agencies on the right road for success. Developing all the vital components of a strategic plan - a SWOT analysis, a mission statement, a vision statement and identification of goals and objectives - as well as implementation tips will be reviewed in this dynamic presentation.

◎Management of the Morbidly Obese Patient *Univ. Ballroom* *Eric Nager, MD*

Morbidly obese patients used to be an unusual problem for the EMS community. It is rapidly becoming a common occurrence for many fire departments to deal with on a regular basis. At the end of the lecture, the provider will be more familiar with some of the difficulties encountered with the morbidly obese patient. The provider will gain greater understanding of the incidence, causes, and diseases associated with obesity. A case review of an actual case will highlight the issues that are involved with the treatment of this type of patient.

3:35 pm - 4:35 pm *General Session 1* *Grand Ballroom*

Trauma Care in Iraq *John P. Pryor, MD, FACS, MAJ, MC, USAR*

Thus far in the war in Iraq, 2,600 young Americans have died and over 18,000 have been injured. Care of these soldiers is a coordinated system of forward medical

Conference Schedule - Saturday, February 24, 2007

units, combat hospitals, transport teams, and regional hospitals outside of the combat theater. Trauma care is now a co-ordinated system, that has benefited from the lessons learned over the last 30 years in civilian trauma centers. As in every major conflict, new techniques and technologies are arising from the war that will be brought back to help care for victims of injury here in the United States. Trauma care remains the most important mission of the military medical teams in theater right now.

4:35 pm - 4:45 pm *Break*

Foyer

4:45 pm - 5:45 pm *General Session 2*

Grand Ballroom

If Life is Worth Saving, It Must Be Worth Living

Steve Berry

Humor is a gift we are born with and, used positively, is a source of major stress reduction, but it must be nurtured and often times relearned for those working in emergency health care. Our profession attracts some of the most dedicated and compassionate people. So much so that they often neglect their own needs. Join Steve as he combines his EMS and cartooning backgrounds to speak the message of health and humor.

5:45 pm - 6:45 pm *Leadership Presentation & Business Meeting* *Grand Ballroom*

Learn how NCEMSF can better serve you through all of its programs and member benefits. Includes reports from the NCEMSF Executive Officers and Committee Chair-people.

Awards Presentations

NCEMSF recognizes outstanding efforts made by individuals and organizations through its awards program:

- Striving for Excellence
- Richard W. Vomacka Student Speaker Competition
- Collegiate EMS Week Celebration of the Year
- Collegiate EMS Video of the Year
- Collegiate EMS Web Site of the Year
- Collegiate EMS Advisor of the Year
- Collegiate EMS Provider of the Year
- Collegiate EMS Organization of the Year
- George J. Koenig, Jr. Service Award

Those squads celebrating milestone anniversaries will be acknowledged and the winners of the Medtronic EMS Skills Competition and Zoll CPR Challenge announced.

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

Whitecap

Campus EMS Alumni are invited to join the NCEMSF leadership at Whitecap Tavern, the hotel restaurant and bar, for happy hour. Reminisce with old friends and catch up on happenings since graduation. Conference badge with "Alumni" ribbon and proper ID required for entrance.

7:00 pm - 2:00 am *Dinner & Evening Activities in Baltimore*

Check the *NCEMSF Guide to Baltimore* in your conference folder for suggested dining options and entertainment. Take a ride on one of the NCEMSF Big Yellow School Buses. Join the official NCEMSF party at Bedrock only two blocks from the host hotel and either dance the night away in the downstairs dance club or challenge your colleagues to a game of pool upstairs.

Schools in Attendance

*At the time of publication, the following 80 schools had registered delegations:
(information below is from the NCEMSF Database, please see your RC to update your profile)*

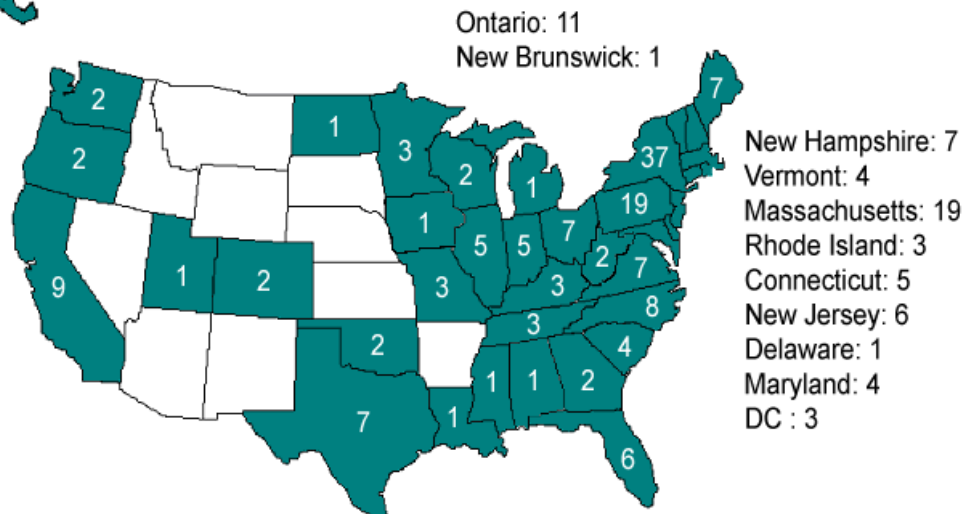
<u>School Name</u>	<u>Delegates</u>	<u>State</u>	<u>NCEMSF Region</u>	<u>Type</u>	<u>Sub-type</u>
Bard College	5	NY	New York	BLS	QRS
Binghamton University	16	NY	New York	ALS	Ambulance Transport
Brandeis University	17	MA	Massachusetts	BLS	Non-emergent Transport
Brown University	3	RI	Northeast	ALS	Ambulance Transport
Carnegie Mellon University	1	PA	Pennsylvania	BLS	QRS
Case Western Reserve University	12	OH	Midwest	BLS	QRS
Clark University	12	MA	Massachusetts	FR	QRS
College of Charleston	2	SC	Southeast	FR	QRS
Columbia University	7	NY	New York	BLS	Ambulance Transport
Cornell University	10	NY	New York	BLS	Non-emergent Transport
Daniel Webster College	4	NH	Northern New England	ILS	Non-emergent Transport
Embry-Riddle Aeronautical University	4	FL	Southeast	BLS	QRS
Fairfield University	5	CT	Northeast	Startup	
Fairmont State University	9	WV	Mid Atlantic	Startup	Ambulance Transport
Franklin Pierce College	11	NH	Northern New England	BLS	QRS
Georgetown University	13	DC	Mid Atlantic	BLS	Ambulance Transport
Harvard University	1	MA	Massachusetts		
John Carroll University	8	OH	Midwest	BLS	QRS
Johns Hopkins University	12	MD	Mid Atlantic	BLS	QRS
Juniata College	6	PA	Pennsylvania	BLS	QRS
Lehigh University	6	PA	Pennsylvania	BLS	QRS
Loyola Marymount University	7	CA	West	BLS	QRS
Loyola University Chicago	2	IL	North Central		
Lynchburg College	2	VA	Mid Atlantic	BLS	QRS
Massachusetts Institute of Technology	7	MA	Massachusetts	BLS	Ambulance Transport
Montclair State University	8	NJ	Northeast	BLS	Ambulance Transport
Mount Holyoke College	3	MA	Massachusetts	BLS	Non-emergent Transport
Muhlenberg College	10	PA	Pennsylvania	BLS	Non-emergent Transport
Norwich University	4	VT	Northern New England	BLS	Non-emergent Transport
Pennsylvania State University	35	PA	Pennsylvania	BLS/ALS	Ambulance Transport
Radford University	4	VA	Mid Atlantic	BLS	QRS
Ramapo College of New Jersey	9	NJ	Northeast	BLS	Ambulance Transport
Rochester Institute of Technology	20	NY	New York	BLS	Ambulance Transport
Rowan University	1	NJ	Northeast	BLS	Ambulance Transport
Rutgers University	2	NJ	Northeast		
Ryerson University	3	ON	Canada	FR	Event Standby Only
Saint Anselm College	7	NH	Northern New England	BLS	QRS
Santa Clara University	4	CA	West	BLS	QRS
Springfield College	8	MA	Massachusetts	BLS	QRS
St. Bonaventure University	7	NY	New York	BLS	QRS
St. Lawrence University	2	NY	New York	BLS	QRS
Stanford University	3	CA	West		
SUNY Cobleskill	10	NY	New York	BLS	QRS
SUNY College at Cortland	8	NY	New York	BLS	QRS
SUNY Geneseo	7	NY	New York	BLS	QRS
SUNY Oneonta	12	NY	New York	BLS	QRS
SUNY Oswego	12	NY	New York	BLS	Ambulance Transport
SUNY Potsdam	2	NY	New York	BLS	QRS

Schools in Attendance (Continued)

SUNY Stony Brook	1	NY	New York	ALS	Ambulance Transport
Syracuse University	7	NY	New York	BLS	Ambulance Transport
Texas A&M University	6	TX	Central	ALS	Ambulance Transport
The George Washington University	14	DC	Mid Atlantic	BLS	Non-emergent Transport
Trinity College	9	CT	Northeast	BLS	QRS
Tufts University	6	MA	Massachusetts	BLS	Non-emergent Transport
Tulane University	6	LA	Central	BLS	Ambulance Transport
United States Merchant Marine Academy	3	NY	New York	BLS	Ambulance Transport
University of California at Santa Barbara	1	CA	West		
University of Connecticut	1	CT	Northeast		
University of Dayton	9	OH	Midwest	BLS	Ambulance Transport
University of Delaware	24	DE	Mid Atlantic	BLS	Ambulance Transport
University of Illinois at Urbana-Champaign	5	IL	North Central	BLS	Event Standby Only
University of Maryland - Baltimore County	4	MD	Mid Atlantic	Startup	Event Standby Only
University of Massachusetts Amherst	12	MA	Massachusetts	BLS	Event Standby Only
University of Massachusetts Lowell	2	MA	Massachusetts	BLS	QRS
University of New England	11	ME	Northern New England	Startup	
University of Pennsylvania	10	PA	Pennsylvania	BLS	QRS
University of Rochester	12	NY	New York	BLS	QRS
University of Tampa	8	FL	Southeast	Startup	QRS
University of Vermont	8	VT	Northern New England	ALS	Ambulance Transport
University of Windsor	4	ON	Canada	BLS	QRS
Ursinus College	3	PA	Pennsylvania	BLS	QRS
Vermont Technical College	6	VT	Northern New England	BLS	QRS
Villanova University	5	PA	Pennsylvania	BLS	Ambulance Transport
Virginia Polytechnic Institute	18	VA	Mid Atlantic	BLS/ALS	Ambulance Transport
Wake Forest University	9	NC	Southeast	BLS	QRS
Washington University - St. Louis	4	MO	Central	BLS	QRS
West Chester University of PA	7	PA	Pennsylvania	BLS	Non-emergent Transport
Western Carolina University	4	NC	Southeast	BLS	Ambulance Transport
Worcester Polytechnic Institute	6	MA	Massachusetts	FR	QRS
Yale University	2	CT	Northeast	BLS	Event Standby Only



Geographic Distribution of Campus EMS Groups in the NCEMSF Database



Conference Schedule - Sunday, February 25, 2007

8:00 am - 9:00 am *Continental Breakfast* *Foyer*

8:30 am - 9:30 am *Alumni Speaker Series*

When Members Go Bad: Discipline in Collegiate EMS *Salon A-C*

Andres J. Bermudez Hallstrom

The life-and-death nature of EMS makes discipline extremely important. College EMS includes its own particular disciplinary issues and concerns. As a leader in your squad you may be called upon to enforce its rules and protocols by punishing your colleagues. This light-hearted, scenario-based lecture will provide you with tips and tools to deal with the challenges of ensuring proper conduct amongst your membership.

Public Access Defibrillation on Campus: HeartSafe@MIT *Grand East*
Dale Cotten

Public Access Defibrillation (PAD) - the strategic deployment of AEDs in public locations - is an evolving tool to better serve and protect all communities from cardiac emergencies. The college campus is an environment with unique barriers and resources, as evidenced by the development of collegiate EMS. This talk focuses on successful elements of a PAD network, how a collegiate PAD system overlaps and relates to a collegiate EMS service, and analyzes MIT's "Heartsafe College" PAD network as one example of how to implement PAD on your campus.

Changing Culture, Saving Lives *Grand West*

Anthony Rossi

There is a "Culture of Excess" on College Campuses with respect to alcohol and that culture extends to college-bound teenagers. Collectively we have a responsibility to pragmatically address the issue as a peer response. Alcohol education and peer outreach offers a potential comprehensive solution to this serious cultural issue. EMS has the common goal of protecting students from harm and EMS skills provide invaluable preventative resources for students. There is a need to create standards in education nationwide. This lecture will illustrate how students from all backgrounds can be agents of change on your campus.

Why QA/QI is Your Best Friend

Salon D-F

Harland Westgate

We've all seen it before - an EMT with head down, tail between their legs, shame burning on their face...because they got "dinged" in QA. Ego aside, shame and fear are the last things that QA should provoke in providers, especially when you know you made a mistake on a call. This presentation looks at how the current state of liability law for EMS providers relates to QA/QI, and why the generous immunity we currently enjoy hinges largely on how openly we approach QA as providers.

8:30 am - 9:30 am *Medtronic EMS Skills Competition Review* *Univ. Ballroom*

Dwight A. Polk, MSW and UMBC Skills Competition Coordinators

Skills Competition participants and non-participants alike are invited to come and discuss the differential diagnosis of each case presented and dissect the medicine behind them. The review session will focus on the proper approach and management to each of the patients encountered. This is not a session to review individual team performances, but individual teams will be able to indirectly assess how they did personally based on the information provided.

Conference Schedule - Sunday, February 25, 2007

9:40 am - 10:40 am Workshop Session 5

◆Burn Care

Grand East

Rick Redett, MD

The lecture will discuss the epidemiology of adult and pediatric burns. We will also review the in-hospital management of acute pediatric burns.

★Suicide: When Things Get Bad

Grand West

Dwight A. Polk, MSW

"I just don't understand why he did it!" We've all heard it before. This presentation will look at why people commit suicide, the ways they do it, and what happens to those who are left behind. The role of the EMS provider and how we should respond will also be discussed.

#Enhancing Your Image Through Public Relations

Salon A-C

James Brown

Creating awareness for your organization is important for the development and utilization of its programs and initiatives. You must inform the public and educational and training institutions about what you offer and how you can meet their needs. A well-implemented public relations initiative will help present your organization's offerings to your best advantage. This lecture will review the role of a public information officer and discuss the necessary elements of a successful public information program.

◎IPMBA I

Salon D-F

Frank Demes, John Washington, and Michael Glaubach

Mountain bikes have proven effective in a number of different environments. They are swift and agile in busy urban areas where traffic and crowds delay motorized units. The mobility of an EMS provider on a bike can mean the difference between life and death in congested or crowded conditions. This lecture will review briefly how to start an EMS bike unit and focus more on various aspects of bicycle training, maintenance, and appropriate equipment selection (not all bike bags are created equal).

10:50 am - 11:50 am Workshop Session 6

◆Environmental Emergencies

Grand East

Frank Caria, MPA

Each season brings a new type of emergency to college campus and the community. Every EMS agency regardless of its atmosphere is affected as the months progress. More than just hypothermia and heat stroke, this interactive lecture will explore environmental emergencies, common and uncommon causes of injury and illness associated with the seasons, their treatment and prevention, and how the different seasons of the year produce new challenges for both agencies and the individual providers.

#Developing Your EMS Organization

Salon D-F

Mark E. Milliron, MS, MPA

A healthy and successful organization depends on the skills of its leadership. Mark Milliron, an instructor in health policy and administration at Penn State University will discuss key management strategies for campus EMS organizations. The interactive discussion will include ideas regarding management skills including understanding individual styles, interpersonal communication, planning, control, and organizing. Tips for survival in the dynamic public service, nonprofit, and academic environments will also be discussed.

Conference Schedule - Sunday, February 25, 2007

#Service Roundtables

Startup

University 1

QRS/Non-emergent Transport

University 2

Ambulance Transport

University 3

NCEMSF Leadership

For the third and final set of roundtable discussions this weekend, NCEMSF Leadership will moderate conversations specific to various service types and help squads address issues specific to the nature of service they provide. One of the sessions will be devoted specifically to aiding new startups in applying all that they learned at this year's conference and helping them determine the next steps in solidifying their fledgling organizations. Again, these sessions are limited to one or two representatives per school, and are ideally attended by squad leadership.

☉IPMBA II

Salon D-F

Frank Demes, John Washington, and Michael Glaubach

This lecture will pick up where IPMBA I left off and will concentrate more on issues of scene safety and large event planning. It will be an introduction to the principles of safety for EMTs, regardless of level and assignment. The focus will be on responders using bicycles, but these principles are applicable across the responder spectrum. The presentation will focus on the effects of a Sympathetic Nervous System activation on the responder; ways to mitigate the effects of the SNS prior to responding; how manage the effects during an SNS activation; and how to use recognize non-verbal cues when dealing with potentially combative individuals and patients.

12:00 pm - 12:45 pm *Conference Wrap-up*

Grand East

Join the NCEMSF leadership as we review the highlights of the weekend. Take advantage of this final opportunity to network with your regional coordinators and your new-found friends from across the country. Future conferences rely on your feedback, so we will be all ears for your comments. We hope that you leave this conference energized, and we look forward to hearing about your progress throughout the year through the regional coordinator network and in future editions of *NCEMSF News*.

1:00 pm *Hotel Check-out*

Late check-out has been arranged for all conference participants staying at Marriott. Thank you for attending this year's conference. We look forward to seeing you next year (**February 22-24, 2008**). Please fill out your conference evaluation forms in your conference folders and return the forms to the registration table. Requests for proposals to host the 2008 conference are available through April 1 at www.ncemsf.org/about/conf2008.

Calling all Photographers!

NCEMSF wants your photos from the conference. Before you leave Baltimore, stop by the conference registration table and upload your digital photos to one of the NCEMSF computers. NCEMSF will post the photos online for attendees to assign captions. The photos will be archived on the NCEMSF Web site and presented at future conferences.

Presenter Bios

Donald W. Alves, MD, MS, FAAEM, FACEP

Dr. Alves is an Assistant Professor of emergency medicine and the EMS Fellowship Director at University of Maryland School of Medicine. He is a tactical physician with the Maryland State Police, Associate Medical Director UMBC-EHS/Paramedic Program, Assistant Region-III Medical Director, MIEMSS, and a Major/EMT Team Leader, Maryland Defense Force.

Michael Antonelli

Michael Antonelli is a third class midshipman at the US Merchant Marine Academy. Prior to his entrance at the Academy, he was a volunteer firefighter with the Middletown Township Volunteer Fire Department, Company 50 in his home state of Pennsylvania. He received his New York State EMT-B and NREMT-B licenses in June of 2006 and has been an active member of USMMA EMS since. He received his Pennsylvania State EMT-B license in October of 2006. In January of 2007, Michael joined the Great Neck Vigilant Engine and Hook and Ladder Company as an associate firemedic member. After his graduation in 2009, he plans to sail in the U.S. commercial merchant fleet. Michael also plans to continue serving his community as a volunteer EMT.

David I. Bacall

David Bacall, NCEMSF Startup Coordinator, began his career in emergency services as a high school student in New Jersey with the Teaneck Volunteer Ambulance Corps. At the University of Hartford he became the EMS coordinator his freshman year, a position he held for two years. He also volunteered with Bloomfield Ambulance and became a Connecticut State Certified EMT examiner. David finished his degree at Ramapo College of NJ where he established the College's Emergency Medical Service. He holds a BA in Public Communication from Ramapo as well as a certificate in CISM from Yale University School of Medicine. David is currently training to become a NJ EMT Instructor and still works EMS as both a paid and a volunteer provider. He is currently a vice president of AXA Advisors, LLC: Northeast Division, where one of his responsibilities is recruitment of college interns.

Raphael M. Barishansky, MPH

Raphael M. Barishansky is the Executive Director of the Hudson Valley Regional EMS Council based in Newburgh, New York. Prior to establishing himself in this position, he served in a number of positions - both field and supervisory - for career and volunteer EMS agencies. Mr. Barishansky holds a Bachelor's Degree in Psychology from Touro College of Liberal Arts and Sciences, as well as a Master's Degree in Public Health (Health Care Policy and Management) from New York Medical College. His dissertation examined the impact of race and socio-economic status on early defibrillation save rates in six New Jersey municipalities. In 2006, he had the opportunity to attend Harvard University's John F. Kennedy School of Government program entitled Senior Executives in State and Local Government. Mr. Barishansky has written and lectured extensively on various facets of EMS, including leadership profiles, administrative/management strategies and clinical aspects. His articles have been featured in EMS Magazine, the Journal of Emergency Medical Services (JEMS), the EMS Insider, EMS Manager and Supervisor as well as other publications.

Andres J. Bermudez Hallstrom

Andres Bermudez Hallstrom is an alumni Advisor for Carnegie Mellon University EMS and a former EMT with TransCare New York. He served with CMU EMS for four years and held the administrative posts of Equipment Director and Operations Manager. As Operations Manager he was the executive primarily involved in day-to-day operations and discipline. He is currently pursuing a JD at Pace University School of Law in White Plains, NY and is actively involved in Emergency Communications through the ARES/RACES programs.

Morgen Bernius, MD

Dr. Bernius is dual residency trained in Emergency Medicine and Pediatrics and is a second year EMS Fellow at the University of Maryland Medical System. She is also the Assistant Medical Director for Baltimore City Fire Department.

Steve Berry

A former teacher and interpreter for the hearing impaired at the Colorado School for the Deaf and Blind in Colorado Springs, Colorado, Steve has published eight EMS cartoon books since his escapades as a paramedic and EMS instructor began 20 years ago. Steve's presentations for health and emergency service organizations are humor based and are presented at a local, state, and national level. Steve works part time for Southwest Teller County Cripple Creek EMS Ambulance Service. His cartoons and a monthly humor column can be read each month in JEMS Magazine.

Carl Bittenbender

Carl Bittenbender is an alumnus of the University of Delaware and the University of Delaware Emergency Care Unit. He has over 12 years of experience in the emergency medical and fire services and is currently employed by Evesham Fire-Rescue as a lieutenant assigned to Station 221 in Burlington County, NJ. Among other responsibilities, Carl is in charge of his squad's Continuous Quality Improvement (CQI) program and oversees the organization's greater than 100 volunteer and career EMTs who collectively respond to over 5,200 calls annually.

James Brown, MS

Jim Brown, a UMBC graduate, has 26 years experience working for the Maryland Institute for Emergency Medical Services Systems. Currently he is the Director for Public Information and Media Services. He has extensive experience as an educator and trainer for physicians, nurses, and paramedics. He has completed the instructor's course for the National Highway Traffic Safety Administration: Public information, education, and relations for EMS injury prevention modules.

Frank Caria, MPA

Frank Caria has been active in EMS for more than 11 years as a BLS and ALS provider and instructor and is currently serving his third term as Captain of Rescue for the Dix Hills Fire Department in New York. He holds a masters degree in public administration with a concentration in healthcare services from Fairleigh Dickinson University. He currently works in the Department of Radiology at Memorial Sloan Kettering Cancer Center. As an undergraduate at Muhlenberg College in 1999, he founded its EMS program.

Presenter Bios

Steve Costalas, DO

Steve Costalas is a graduate of the Philadelphia College of Osteopathic Medicine (PCOM). He is an emergency medicine attending physician at The Lankenau Hospital, located in suburban Philadelphia. He also serves as advisor to PCOM's emergency medicine club.

Dale Cotton

Dale Cotton is experienced as an EMT and an Emergency Department Technician. He has worked in and around Boston for several years. He is actively involved in CPR/AED training and education through the American Heart Association. He is currently a first year medical student at Weill Cornell Medical College in New York City.

Frank Demes

Frank Demes is Captain of the George Washington University Police Department. He received his BA from the State University of New York and a MFA from the George Washington University. He is also a graduate of the Military Police Academy. He is a certified IPMBA Instructor and a D.C. Code Instructor for the Consortium Campus Law Enforcement Academy.

Holly Emmanuel

Holly has been involved with EMS since age sixteen. She has been an EMT with Penn State University Ambulance Service since January 2004. She is a senior majoring in kinesiology. As an athletic training student, she has worked with various sports teams including men's basketball, wrestling, swimming, driving, football, and gymnastics. In the fall, she will begin a masters program at the University of Connecticut studying exercise physiology.

Mark Forgues, MEd

Mark Forgues is director of Medical Resources Group, LLC, an EMS consultation company, as well as American Heart Association National and International Faculty. He is also the technical director for Massachusetts Institute of Technology EMS. His over 25-year career in EMS has included experience in Massachusetts, Maine, and New Hampshire. He currently works as a paramedic for Emerson Hospital Paramedic System in Concord, Massachusetts. He holds a masters degree in education from Fitchburg State College, and is a certified teacher. He is highly active in the EMS education community, regularly teaching EMT-Intermediate, paramedic, BLS, BTLs, PALS, and ACLS classes.

Douglas Floccare, MD, MPH, FACEP

Dr. Doug Floccare is a Board Certified Emergency Physician with over 38 years of experience in pre-hospital and emergency care. From founding the student-run ambulance at his college, to being Medical Director for the nation's only statewide medevac program, he has led innovative approaches to emergency medical care throughout his career. His training includes a residency in Emergency Medicine and a fellowship in Clinical Research methodology at the Johns Hopkins Hospital. He has received an MPH from the Johns Hopkins School of Public Health in the Department of Health Policy and Management, and he maintains a strong interest in the systematic delivery of effective health care to populations.

Peter Garofalo

Peter Garofalo is a first class midshipman at the U.S. Merchant Marine Academy. He received his EMT-B license in June of 2004. Since then, he has joined the Great Neck Vigilant Engine and Hook and Ladder Company as an associate firemedic member. Peter has also been a very active member of the USMMA EMS / Ambulance Squad and is currently Chief of Department. After his graduation in 2007, he plans to work in a shore side merchant vessel shipyard and pursue his paramedic license.

William J. Goodwin, Jr., MS

William Goodwin is a thirty-one year veteran of the Baltimore City Fire Department and was appointed Chief of Fire Department in February, 2002. In addition to his responsibilities of overseeing a department with approximately 1,700 members, he also serves as Emergency Manager for the City of Baltimore and coordinates Homeland Security efforts for the Mayor of Baltimore and all City agencies. Chief Goodwin serves as Chair for the Joint Executive Committee for Homeland Security, the Regional Urban Area Working Group and the Fire and Police Chiefs Forum. He also serves on the Maryland Fire Rescue Education Training Commission, the Area Maritime Security Executive Steering Committee for port protection and the Maryland Shock Trauma Board of Visitors. Chief Goodwin earned a M.S. Degree in Management from Johns Hopkins University.

Michael P. Glaubach, MEd

Michael P. Glaubach, M.Ed. EMT-B, started teaching the combative arts in 1993. He began his law enforcement training career in 1996 and has worked for the George Washington University Police Department as an instructor and officer since 2000. Most recently, his assignment was as the Tactical Supervisor and lead Use of Force Instructor. Michael has been an IPMBA Police and EMT instructor since 2005. Michael has achieved the Instructor Trainer level in 10 separate Law Enforcement Use of Force options; including PPCT Inc., of which there are less than 300 worldwide.

Patrick Gorman

Patrick Gorman is a first class midshipman at the U.S. Merchant Marine Academy. He received his EMT-B license in June of 2004. As an active member of the USMMA EMS / Ambulance Squad, Patrick serves as Assistant Chief of Department in Charge of Training. Patrick is also an associate firemedic with the Great Neck Vigilant Engine and Hook and Ladder Company. After graduation in 2007, he plans to sail in the U.S. commercial merchant fleet and pursue his paramedic license.

Michael T. Hilton

Michael Hilton, NCEMSF National Coordinator, is currently a medical student at the University of Pittsburgh School of Medicine in Pittsburgh, Pennsylvania. He received his Bachelor of Arts degree in History, focusing on American and Urban History in May 2005 from Columbia University. He has been involved with EMS and emergency services since 2000 as a member of the Town of Mamaroneck Fire Department, Town of Mamaroneck/Village of Larchmont Volunteer Ambulance Corps (both located in Westchester County, NY), and Columbia University EMS (CUEMS). While at Columbia, Michael served as the FAST Training Program Coordinator,

Presenter Bios

Chief Medical Officer and Captain of CUEMS. While at the University of Pittsburgh, Michael has been involved in hemorrhagic shock research in the Safar Center for Resuscitation Research, the lab of the father of CPR, the late Dr. Peter Safar. Michael became involved with NCEMSF in 2001. He served for three years as the Foundation's New York Regional Coordinator before becoming National Coordinator.

George J. Koenig, Jr., DO

George Koenig, NCEMSF President, is currently a fourth-year surgical resident. He graduated in 2003 with a Doctor of Osteopathy degree from The Philadelphia College of Osteopathic Medicine (PCOM). He received his Masters degree in Biomedical Science from PCOM in 1999. In 1996, he graduated from Bucknell University with a degree in Biology and Chemistry. While attending college, he was active with Bucknell's quick response group. He served as President of the Bucknell Emergency Response Team from 1994 to 1996. Dedicated to the advancement of collegiate EMS, he became involved with NCEMSF in 1993 at the first annual conference held at Georgetown University. He served as Vice-Chairman of the Constitutional Committee and Temporary Governing Board from 1995 to 1996. In 1996, he was elected as President of NCEMSF. Aside from his involvement with NCEMSF, he is a member of the Volunteer Medical Service Corps of Lower Merion and Narberth, and the Penn Wynne-Overbrook Hills Fire Company.

Benjamin Lawner, DO

Ben has been chasing ambulances since the age of four. A fan of the pioneering television show, "Emergency!," Ben has frequent flashbacks of charging his defibrillator to 200 watt-seconds and treating cardiac arrest victims with 2 amps of bicarb and an epinephrine chaser. Ben completed EMT school in 1994 and obtained his paramedic certification in 1997. Alachua County Fire Rescue forced him to attend the Florida State Fire College in 1999. Because Ben burned too many mobile homes to the ground, he fulfilled the remainder of his duties as a lead paramedic on an ALS transport ambulance. During his time in EMS, Ben helped create the Florida State University System's first campus based bicycle response unit. He also was active with local medical direction and participated in the drafting of critical care, ventilator, and medication protocols.

Nadine Levick, MD, MPH

Nadine Levick is an academic clinician researcher and Emergency Medicine physician. She holds an MPH from Johns Hopkins University. She has held senior positions in Emergency Medicine in Australia and the USA, at Johns Hopkins, in Baltimore and Columbia University and Maimonides Medical Center in New York. Dr. Levick has been awarded a number of national and international clinical research and leadership awards, the 2006 AMBEX Award for research most likely to change practice, the International Society of Automotive Engineers 2003 Women's Leadership Award, and the 2002 Center for Creative Leadership's Public Health and Emergency Services national award. Dr. Levick has published in both the medical and engineering peer reviewed literature. Her work highlights the interface of scientific data with EMS safety guidelines and policy development.

Brian Maguire, PhD

Dr. Maguire began his Emergency Medical Services career in 1974. For two decades he worked in the New York City EMS system as a paramedic, an educator, a supervisor and an administrator. As a university faculty member, Brian developed one of the country's first online undergraduate programs in health administration and, directed the only graduate program in the world that focuses on EMS. He holds a master's degree in health administration and a doctoral degree in public health. Brian has had an interest in occupational risks and safety issues of the EMS provider during much of his career. His research projects include the epidemiology of occupational injuries and illnesses among EMS providers, fatal ambulance collisions, EMS workforce issues and occupational fatalities among EMS providers. He is also the author of numerous articles and book chapters on policy, management, worker safety, education and training, administration, clinical care, the development of the EMS profession, disaster management and pandemic preparedness.

Joshua A. Marks

Joshua Marks, NCEMSF Secretary, is currently a fourth year medical student at Jefferson Medical College of Thomas Jefferson University in Philadelphia, Pennsylvania applying for general surgery residency and interested in trauma surgery and surgical critical care. He received his Bachelor of Arts degree in Economics in May 2003 from Columbia University. He has been involved with EMS since 1998 as a member of both the Volunteer Medical Service Corps of Lower Merion and Narberth (VMSC) and Columbia University EMS (CUEMS). Joshua serves as VMSC's BLS Training Coordinator and sits on the Corps' Clinical Care Committee. While at Columbia, Joshua served as the Chief Medical Officer and Executive Director of CUEMS for two years. Joshua became involved with NCEMSF in 2000 when he attended his first National Conference. He served for three years as the Foundation's first National Coordinator from 2001 to 2004 before being elected to the Executive Board. Joshua is the 2001 recipient of NCEMSF's George J. Koenig, Jr. Award and 2003 NCEMSF Collegiate Provider of the Year Award as well as the 2003 recipient of the American College Health Association's Lewis Barbato Award.

Eric MaryEa

Eric MaryEa, Director-At-Large, began working in the healthcare field at the age of sixteen as a volunteer physical therapy assistant at St. Charles Hospital and Rehabilitation Center on Long Island. During his freshman year at the University of Delaware, Eric became involved with the University of Delaware Emergency Care Unit (UDECU) and eventually served as the Director of Training and Captain/Coordinator. After graduating in 2003, Eric returned home to New York and enrolled in the SUNY Stony Brook Paramedic Program. Following successful completion of the Stony Brook Paramedic Program, Eric returned to Delaware where he now serves as a Paramedic within the ranks of the New Castle County Police Department. Eric continues to practice as an EMS Instructor and plans to expand his instructorship to include national programs such as NIMS and CISM.

Presenter Bios

Timothy McMichael

Tim McMichael is a 2001 graduate of Juniata College with a BS in Information Technology and Systems. He is currently employed by Microsoft Corporation as a Support Escalation Engineer working on the Exchange Server product. He received his Pennsylvania EMT-B in 1999 and currently serves as an NREMT-I for Fort Mill Rescue Squad in Fort Mill, South Carolina. He is currently working to complete his paramedic certification at Carolinas Medical Center.

Mark E. Milliron, MS, MPA

Mark Milliron, NCEMSF Director-at-Large, is an EMT Instructor, EMT, and an EMS Supervisor with Penn State University EMS. He has been on the NCEMSF Board of Directors since 1995, serving as Chairman of the Constitution Committee and Temporary Governing Board of NCEMSF during its formal organization from 1995 to 1996, and as Treasurer of NCEMSF from 1996 to 1999. At Penn State he began his involvement in campus EMS as an EMT trainee while an undergraduate in 1983. Following service as a U.S. Naval officer, he returned to Penn State as a graduate student and has served as a regular crewmember and special events staff with University Ambulance Service continuously since 1989. During 1993-1994 he founded and served as President of the Penn State student EMS Association, was Supervisor of University Ambulance Service from 1994 through 1995, and founded the Penn State EMS Alumni Interest Group in 1999 and serves as the group's President. He is currently employed as an instructor in the Department of Health Policy and Administration at Penn State and is a continuing education instructor in kinesiology for the University's EMT training program. He has master's degrees in public administration and health administration.

Andrew Milsten, MD

Dr. Andrew Milsten completed his medical school training at the George Washington University Medical School (Washington, DC). Dr. Milsten then trained in Emergency Medicine at Lincoln Medical and Mental Health Center (Bronx, NY) after which, he completed a 2-year EMS/Disaster Medicine fellowship and EHS masters degree at the University of Maryland. Dr. Milsten has focused his research on mass gathering medicine and was a co-author on "Mass Gathering Medical Care: The Medical Director's Checklist", one of the only US national standard mass gathering guides. Dr. Milsten is the special events medical director at University of Maryland and has been integral in the planning and on-site coordination of care at several large events (NFL football games, marathon, and large stadium concerts). Currently, Dr. Milsten works as an attending at two busy Baltimore, Maryland emergency departments and serves as assistant medical director for the Anne Arundel County Fire Department as well as Expresscare critical care transport ambulance service. Dr. Milsten is active with the American College of Emergency Physicians and is the Vice-Chair of the Disaster Medical Section. Dr. Milsten has worked overseas as a visiting scholar and EMS consultant to Prishtina, Kosovo (July 2001) for John Hopkin's ER Development Project as well as an emergency preparedness/disaster medicine trainer in Amman, Jordan (October 2005) for University of Maryland's NIH/Iraqi Ministry of Health sponsored program.

Eric Nager, MD

Eric Nager is currently an emergency physician at Franklin Square Hospital in Baltimore, Maryland. He completed his residency in Emergency Medicine at the Medical Center of Delaware and is working towards obtaining his MBA from Johns Hopkins University. He has given numerous lectures for emergency service personnel as well as physicians. He is currently the Medical Director for the Baltimore County Fire Rescue Academy and the Associate Medical Director for the Baltimore County Fire Department.

Christopher Nagle

Christopher Nagle is the President of the Student Association Volunteer Ambulance Corps of Oswego, Inc., at SUNY Oswego. He joined the corps four years ago, and became certified as a New York State EMT-B in 2004. In addition to SAVAC, Christopher is also a member of the Donald McFee Memorial Ambulance Service in Mexico, NY and of the Randolph Fire Department Rescue Squad in Randolph, NY. Christopher is a senior at Oswego State, and will graduate in May with a degree in Computer Science. Outside of EMS, Christopher is a United States Marine Reservist, serving with Truck Company (-), HqBn, 4th MarDiv, in Erie, PA. Christopher plans on attending SUNY Brockport this fall to pursue an MPA with a concentration in Public Safety.

Timothy J. Perkins

Timothy Perkins is the EMS Systems Planner for the Virginia Department of Health, Office of EMS in Richmond, Virginia. Tim has 17 years of EMS operations and management experience in various settings. He also has been a contributor to articles appearing in several trade publications.

Dwight A. Polk, MSW

Dwight is the Paramedic Program Director at the University of Maryland Baltimore County (UMBC) in Baltimore, MD, and is a member of the Mobile Crisis Team at the Grassroots Crisis Center in Columbia, MD. His "perspective" as a paramedic and social worker makes him a familiar face at conferences around the country. In addition to being a fulltime educator, he is an active paramedic who believes that there's more to EMS than IVs and medications. Dwight has a Master's Degree in Occupational Social Work and is a mental health professional for two Critical Incident Stress Management (CISM) teams in the Baltimore area.

R. Wayne Powell

In both the public and private sectors, Wayne Powell has long been involved in various aspects of fire protection. Today, he travels world-wide for Marriott International as a Fire and Life Safety Specialist conducting fire inspections in Marriott's 18 different hotel brands. His responsibilities have included operations, prevention, training, and administration. At the time of his retirement two years ago he was the longest-serving member of the Federal Fire Programs, the United States Fire Administration and its National Fire Academy, where he had served for nearly 30 years. During his last five years with USFA, he served as Chief, Citizen and Community Preparedness with responsibility for "all things prevention." That role included all prevention-related initiatives of the USFA including programmatic activities and NFA training. He previously spent many years with the fire services in Silver Spring / Montgomery County, Maryland; worked for the Angus

Presenter Bios

Fire Armour Corporation, the world's largest manufacturer of flammable liquid firefighting foams, foam equipment and fire hose to municipal, industrial and governmental markets, and taught for the Maryland Fire and Rescue Institute of the University of Maryland. During his time at the National Emergency Training Center in Emmitsburg, Maryland he also served as an active member of that community's volunteer fire department, the Vigilant Hose Company.

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

Dr. Pryor is a trauma-critical care surgeon at the University of Pennsylvania in Philadelphia. He completed medical school and general surgery training at the University of Buffalo, in Buffalo New York, and completed fellowship training in trauma surgery and critical care at the University of Pennsylvania. He is currently an Assistant Professor of Surgery at the University of Pennsylvania School of Medicine and the Trauma Program Director for the Trauma Center at Penn. Dr. Pryor is also a Major in the United States Army Reserve Medical Corps. He served an active duty tour as the trauma surgeon for the 344th Combat Support Hospital in Abu Ghraib Iraq during Operation Iraqi Freedom in 2006.

Rick Redett, MD

Dr. Redett completed his surgical residency at Johns Hopkins Hospital and a pediatric plastic surgery fellowship at the Hospital for Sick Children in Toronto, Ontario. He specializes in pediatric plastic surgery, including cleft lip and palate, pediatric nerve injuries and pediatric burns. He is the director of the Pediatric Burn Unit at Johns Hopkins Hospital.

Anthony Rossi

Anthony Rossi is a MBA student at the University of Colorado at Denver and Health Sciences Center, Bard Center for Entrepreneurship Development. He received his BA in Molecular, Cellular, and Developmental Biology and a Minor in Biochemistry from the University of Colorado at Boulder (CU). In 2004, Mr. Rossi developed the Student Emergency Medical Services (SEMS) Program at CU in response to the death of Lynn "Gordie" Bailey, a freshman who overdosed on alcohol at a local fraternity. As a member of Tau Kappa Epsilon Fraternity and a certified EMT, Mr. Rossi devised a plan to build a student program that addresses alcohol overdose as a cultural issue. The program has evolved into a comprehensive service providing students and the community with free EMS training, general education in alcohol and drug overdose, high school education health curriculum, and volunteer student EMTs to be used as a preventative resource at scenes where high risk of alcohol or drug overdose are prevalent. The SEMS concept takes a peer to peer approach, involving students from diverse backgrounds and experience. In 2005, Mr. Rossi and an emergency physician and CU sociology instructor, Dr. J.T. Young, founded the SEMS Foundation in an effort to promote the SEMS concept.

Scott C. Savett, PhD

Scott Savett, NCEMSF's Vice President, Webmaster, and Chief Technology Officer, has been involved in collegiate EMS since 1991. His EMS career started at Ursinus College (Collegeville, PA) where he was one of the founders of its EMS response group, Student Emergency Response Volunteers (SERV). Scott received his BS in chemistry in 1994 and immediately enrolled in graduate school at Indiana University-

Bloomington. In 1994, during his first year in graduate school at Indiana University Scott founded IU-EMS, an organization dedicated to providing comprehensive pre-hospital education and service. Scott transferred to Clemson University (Clemson, SC) in 1995 to continue his graduate studies in chemistry. He was an active volunteer with the Clemson University Fire Department and EMS (CUFD-EMS), eventually upgrading his level of training to NREMT-I and becoming cross-trained in the fire service. In May 2000, Scott received a Ph.D. in analytical chemistry from Clemson University. Professionally Scott is a senior implementation analyst with the Informatics section of the Integrative Technologies Division of Thermo Fisher Scientific, the leading supplier of Laboratory Information Management System (LIMS) to the pharmaceutical industry. Scott is currently an EMT-Basic in the Commonwealth of Pennsylvania. He actively volunteers with Whitemarsh Ambulance in the Philadelphia suburbs. He also serves on the board of trustees of that organization.

Karolina A. Schabses, MPH

Karolina Schabses, NCEMSF's Membership Coordinator, has been involved in campus EMS since 1995. While earning her bachelor's degree in biology and health at Cornell University, Ithaca, New York, Karolina volunteered with Cornell University EMS. After she received her degree in the winter of 1998, she worked as a full-time New York State Critical Care EMT in Ithaca, NY. During and after her undergraduate education, Karolina resided at the Cayuga Heights Fire Department where she served in many roles including firefighter, advanced EMT, company treasurer, and continuing medical education evaluator. Karolina joined the NCEMSF Board in 1998 as Treasurer and has remained Membership Coordinator since 1999. In May 2001, Karolina received a master's in public health in environmental and occupational health from the Rollins School of Public Health at Emory University. She has since worked in federal and state government as an epidemiologist specializing in environmental and occupational health research.

Christopher T. Stephens, MD

An alumnus of Loyola Marymount University and LMU EMS, Dr. Stephens is currently a trauma fellow at R Adams Cowley Shock Trauma Center. He completed his anesthesia residency at the University of Texas Medical Branch in Galveston, Texas. While in Texas he is also served as an active ground and flight paramedic and taught the Houston Fire Department paramedics airway management as well as other local college paramedic students.

Bruce J. Walz, PhD

Bruce Walz is Professor and Chair of the Department of Emergency Health Services at the University of Maryland, Baltimore County (UMBC). He has been on the board of Advocates for EMS since 2004 and is currently president-elect. Advocates for EMS is a national EMS advocacy organization founded to educate and inform the Congress about EMS issues and needs. Dr. Walz has been involved in many aspects of EMS education and development. Most notably, he served as a group leader for the development of the 1998 National Standard Paramedic Curriculum and the 1999 National Standard Intermediate Curriculum. He currently serves on the Educational Standards Workgroup. He is a charter member of the National Association of EMS

Presenter Bios

Educators and served as president in 1998. Additionally, he serves as a site visitor for the Committee on Accreditation of Educational Programs for the EMS Professions (CoAEMSP) and is on the editorial board of "Prehospital Emergency Care." He wrote the chapter on education in the National Association of EMS Physician's medical director's handbook "Prehospital Systems and Medical Oversight." He is the author of "Introduction to EMS Systems."

John F. Washington

John Washington has 28 years in the volunteer fire service, including 22 as a registered emergency medical, Haz-Mat, confined space, and vehicle rescue technician. He has 18 years in law enforcement, 15 assigned to the bike patrol unit at the University of Pennsylvania Police Department, and nine years as a sergeant supervising the 22 officer unit. He is a Police and EMS Cycling Instructor, and a member of the Education Committee for the International Police Mountain Bike Association (IPMBA). In 1981-83, he was the chief of Franklin Pierce College Fire Department and EMS.

John Wenzel

John Wenzel, NCEMSF's Alumni Coordinator, is a medical student at Drexel University College of Medicine in Philadelphia, PA (Class of 2010). He graduated from Villanova University in 2005 with a Bachelor of Science degree in Biology and Ethics. John began his EMS career as a college freshman in 2001 with Villanova EMS (VEMS). In addition to being an active crew-member, John was elected to one term as Secretary and two terms as Captain of VEMS, also holding the only student seat on the University Safety Committee. He holds current American Heart Association BLS and First Aid instructor certifications. Since graduating Villanova, John has been an active EMT with the Radnor Fire Company Ambulance. John became involved with NCEMSF in 2002, when he attended his first national conference as a freshman with VEMS. He has attended each national conference since then, including hosting the 12th annual conference in 2005 in

Philadelphia, a joint effort between Villanova and Ursinus College. John joined the NCEMSF Board in 2006 as Alumni Coordinator.

Harland Westgate

Harland Westgate is a second-year law student at the George Washington University Law School, and received his undergraduate degree from the University of Delaware in 2005. Harland has been a volunteer EMT since 2000, served as Co-Coordinator for the University of Delaware Emergency Care Unit for two years, and currently serves as the Public Relations Supervisor for the George Washington University Emergency Medical Response Group. He has been licensed as an EMT in New Jersey, Pennsylvania, Delaware, and the District of Columbia, as well as holding certification as an Instructor for the American Heart Association and the American Safety & Health Institute. In September 2006, his article Liability for EMS Field Providers was published in the Armed Forces Institute of Pathology's Legal Medicine journal.

Michael S. Wiederhold, MD, MPH

Michael Wiederhold, Treasurer of NCEMSF, is currently a first-year pediatrics resident at the University of Tennessee in Memphis. He graduated from University of Arkansas for Medical Sciences (UAMS) with a Doctor of Medicine degree in May 2006. He received his Master of Public Health from Tulane University and his Master of Science in Emergency Health from the University of Maryland, Baltimore County. He earned his undergraduate degree from Emory University, majoring in psychology. He has completed two tours of duty in the U.S. Public Health Service. Michael has been involved in collegiate EMS since 1996. While at Emory, Michael volunteered as an EMT with the Emory First Responder Unit EMS. While at Emory he also served as Vice-President of CPR @ Emory. In 1998 he was elected Director-at-Large of NCEMSF. The next year he was elected Secretary of NCEMSF where he served until 2002. Since 2001 he has served as Treasurer of NCEMSF.

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Get Continuing Education Credit for the lectures you attend!

Because the membership of NCEMSF comes from all across the country, it is impossible to set up a system where credit can automatically be given for attending a lecture. However, we are able to provide some assistance in obtaining credit for the workshop sessions:

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- You must enter within the first 10 minutes of a lecture to receive credit.
- Fill out and turn in the conference evaluation form located in your conference folder at the end of the conference.
- Following the conference, visit <http://www.ncemsf.org/about/conf2007/>. An email will be sent once this utility is available. Please allow up to four weeks post-conference.
- Click on the CME tracking link and enter your email address and NCEMSF password.
- The NCEMSF server will generate and display a personalized Adobe Acrobat (PDF) file with the sessions you attended including lecture topic, speaker, and duration.
- Print out the PDF document, sign, and submit it along with any other necessary identifiers (address, certification number, date of birth, etc.) to your state's EMS regulatory agency. NCEMSF will apply for credit by endorsement in select states to aid in the process.

Schedule Summary

Friday, February 23, 2007

6:00 pm–12:00 am	Medtronic EMS Skills Competition	University Ballroom
8:00 pm–12:00 am	Zoll CPR Challenge	Foyer
8:00 pm–12:00 am	Welcome Social	Grand Ballroom

Saturday, February 24, 2007

7:30 am–8:30 am	Continental Breakfast	Foyer
8:00 am–8:50 am	Richard W. Vomacka Student Speaker Competition	
	The Injured Athlete - Medical Emergencies in Sports	Salon A-C
	Infectious Disease Prevention, Containment and Control	Salon D-F
	What Level of Care Should You Provide?	University Ballroom
	Regional Roundtables	Grand East and West
9:00 am–9:50 am	Group Introductions/Meet & Greet	Grand Ballroom
10:00 am–11:00 am	Workshop Session 1	
	Shock Case Studies	Grand East
	Are You An EMS Detective?	Grand West
	Toxicology 101	Salon D-F
	Marketing Your Squad	Salon A-C
	Common Disaster Myths	University Ballroom
11:10 am–12:10 pm	Workshop Session 2	
	Head and Spinal Trauma	Grand East
	Managing the Difficult Airway	Grand West
	Leadership Through Advocacy	Salon A-C
	Administrative Roundtables	University Ballroom
	Ambulance Safety: Everything That You Need To Know!	Salon D-F
12:10 pm–1:15 pm	Lunch	
1:15 pm–2:15 pm	Workshop Session 3	
	Under Pressure	Grand East
	The Pediatric Patient	Grand West
	Fire Based Emergency Medical Services	Salon A-C
	Occupational Risks for EMS Providers	Salon D-F
	Life After Collegiate EMS Panel	University 1-3
	Airway Skills Lab	University 4
2:25 pm–3:25 pm	Workshop Session 4	
	The Role of Medevac in a Statewide EMS System	Grand West
	Medical Case Studies	Grand East
	Five Good Reasons for Proper EMS Documentation	Salon D-F
	Strategic Planning for the Collegiate EMS Agency	Salon A-C
	Management of the Morbidly Obese Patient	University Ballroom
3:35 pm–4:35 pm	General Session 1: Trauma Care in Iraq	Grand Ballroom
4:35 pm–4:45 pm	Break	Foyer
4:45 pm–5:45 pm	General Session 2: If Life is Worth Saving, It Must Be Worth Living	Grand Ballroom
5:45 pm–6:45 pm	NCEMSF Business Meeting & Awards Presentations	Grand Ballroom

Sunday, February 25, 2007

8:00 am–9:00 am	Continental Breakfast	Foyer
8:30 am–9:30 am	Alumni Speaker Series	
	When Members Go Bad: Discipline in Collegiate EMS	Salon A-C
	Public Access Defibrillation on Campus: HeartSafe@MIT	Grand East
	Changing Culture, Saving Lives	Grand West
	Why QA/QI is Your Best Friend	Salon D-F
	Medtronic EMS Skills Competition Review	University Ballroom
9:40 am–10:40 am	Workshop Session 5	
	Burn Care	Grand East
	Suicide: When Things Get Bad	Grand West
	Enhancing Your Image Through Public Relations	Salon A-C
	IPMBA I	Salon D-F
10:50 am–11:50 am	Workshop Session 6	
	Environmental Emergencies	Grand East
	Developing Your EMS Organization	Salon D-F
	Service Roundtables	University Ballroom
	IPMBA II	Salon D-F
12:00 pm–12:45 pm	Conference Wrap-up	Grand East