Oregon EMS Conference 2009
Excellence in Education

October 2 & 3
Red Lion Hotel on the River
Jantzen Beach - Portland
Preconference October 1

GUEST SPEAKERS:

MIKE HELBOCK
The History of Cardiac Resuscitation
OB-GYN Emergencies

BOB PAGE
Stethoscopy for Dummies
Whole Lotta Shaking Going On
Therapeutic Electrocuton

DR. KEITH WESLEY
EMS Research and Controversy
Understanding CHF
Pit Crew CPR

Also speaking this year:
Thomas Agnew
Scott Cooper
Dennis Eagerly
Dr. Liz Hatfield-Keller
Dr. Carolyn Martin
Dr. Andy Michaels
Tim Phalen
Jeff Rubin
Dr. Ritu Sahni
Dr. David Spiro
Mark Stevens
Dr. Steve Tharratt
Thursday, October 1
Pre-Conference

**ILS/ALS Skills**
*Presenters: Flight Crew from Life Flight Network, and REACH Air Medical Services*
0800 - 1200 (Repeats at 1300)

Life Flight Network and REACH Air Medical Services are proud to represent the Association of Air Medical Responders of Oregon by hosting an ALS Skills Review session. Appropriate for Paramedics and RNs, come refresh your memory of advanced airway techniques, needle decompression, and other life saving interventions. This is your chance to review high risk, low frequency interventions.

**Paramedic Training with Simulation**
*Presenter: Dr. Todd Ellingson*
0800 - 1200

Experiential learning is a powerful learning technique for EMS personnel. This four-hour block will provide an introduction to some basic simulation concepts including some of the current equipment available. In addition, the session includes opportunities to take part in emergency scenarios to better understand the preparation and equipment necessary for the inclusion of simulation into curricula. There will be a final session where participants can ask questions and share their experiences with the whole group.

Todd Ellingson obtained his medical degree from Oregon Health & Science University before completing a residency in Emergency Medicine at the University of Chicago. He recently completed a two-year Education Research fellowship in the Emergency Medicine (EM) department at OHSU where he focused on the use of simulation in the education of medical students and residents. He also serves as the OIT/OHSU Paramedic Program Medical Director where he has begun instituting the use of simulation into their curriculum. He is currently an Assistant Professor in the EM department at OHSU and continues his educational and simulation endeavors.

**Slap the Cap! Real Use for Capnography in EMS**
*Presenter: Bob Page*
0800 - 1200

You’ve had your introduction, heard about it, read about it, now it is time to get down to it. Capnography represents an important UPGRADE for your clinical assessment skills. In this non-stop session, participants will perform REAL waveform analysis of actual cases along with some pretty incredible real time video of capnography. Come and see how the tool can be an incredible asset for the intubated and non-intubated patient.

Bob Page is an internationally known speaker, instructor, author and paramedic. He has presented seminars across the United States, Canada and in the United Kingdom. He is recognized for his energetic, humorous and motivational style. Bob takes ordinarily dry and hard to teach topics and transforms them into a fun, learning experience. Bob has been an instructor for over 3 decades teaching a variety of adult education courses from customer service to advanced medical care. He is a nationally registered paramedic and a critical care paramedic. He has been involved in EMS since 1978 when he became a CPR instructor. Bob is the Director of Emergency Care Education at St. John’s Regional Health Center in Springfield, Missouri. He is the lead instructor for the paramedic program and has taught at all levels of EMS and nursing. He has earned a faculty appointment at the University of Maryland, Baltimore County and also is a guest instructor at Southwest Baptist University’s College of Nursing.

**Building Your EMT Confidence & Expanding Your EMS Paradigm**
*Presenter: Scott Cooper*
0800 - 1200

Here is an opportunity to attend a session that offers you the same variety you encounter in the field. Instead of focusing on just one subject, Mr. Cooper will address many topics of use to your assessment and care. In this session, you will learn about “gray areas”; tune-up your knowledge base, with a focus on understanding the information, not just doing things “because that’s what
Pre-Conferences at a Glance - Thursday, October 1

0800 - 1200  ALS Skills with Life Flight Network, AirLink Critical Care Transport & REACH Air Medical Services
0800 - 1200  Pediatric Training with Simulation with Dr. Todd Ellingson
0800 - 1200  Slap the Cap! Real Use for Capnography in EMS with Bob Page
0800 - 1200  Building Your EMT Confidence & Expanding Your EMS Paradigm with Scott Cooper
1300 - 1700  ALS Skills with Life Flight Network, AirLink Critical Care Transport & REACH Air Medical Services
1300 - 1700  Pediatric Training with Simulation with Dr. Todd Ellingson
1300 - 1700  EMS Research and Controversy with Keith Wesley
1300 - 1700  Stethoscopy for Dummies with Bob Page
1300 - 1700  Disasters and Disaster Operations: Are You Ready? with Jeff Rubin
0800 - 1700  12 Lead with Tim Phalen
1830 - 2130  Dr. Don’s Fireside Chat with Dr. Don McNeill -- ADMISSION FREE - Open to Public

I was taught*: gaining tools to help you perform as a “thinking” EMT rather than a “recipe” EMT; learn about things the standard EMT curriculums don’t have time to teach you; gain up-to-date information on assessment and treatment of various conditions. Take in real experiences from a multitude of EMS providers, seeing what they learned so you can be prepared from both their successes and mistakes (instead of learning the hard way on your own). Come join us in a real practical, real applicable, really fun presentation!

Scott’s career has included working in private and fire-based ambulance services. He has instructed EMT classes of all levels at Chemeketa, Portland & Clackamas Community Colleges as well as the OHSU/OIT paramedic program. He currently holds instructor certifications for PHTLS, AMLS, AHA ACLS, BLS, PALS. Scott is an active member of the Nation Association of EMS Educators. He has received many awards for his performance in EMS and educational endeavors. Scott Cooper resides in Salem, Oregon.

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EMS Research and Controversy
Presenter: Dr. Keith Wesley
1300 - 1700
The volume of research based on pre-hospital care has increased significantly over the last decade. Being able to make sense of this material requires a basic knowledge of research methodology and statistics but more than anything it requires an ability to critically analyze the methods used to perform the study. Dr. Wesley will present a fast paced and interactive course that will provide you the tools necessary to perform your own analysis. The bulk of the course will be spent examining some of the more controversial studies on CPR, intubation, hypothermia, 12-leads, ACLS, and trauma management to help you better understand them and draw your own conclusions. Participants are encouraged to bring studies that interest them for further group discussion.

Dr. Keith Wesley is the Minnesota State EMS Medical Director and is a board certified emergency medicine physician with HealthEast Care Systems in St. Paul Minnesota. He is the EMS Medical Director for HealthEast Medical Transport and is the Chair of the National Council of State EMS Medical Directors. Dr Wesley is the author of many articles and EMS textbooks and a frequent speaker at EMS conferences across the nation. He is an active EMS medical director who besides his commitment locally continues to provide medical oversight to the Chippewa Fire District in Chippewa Falls Wisconsin, the EMT-Basic Services of Ashland and Bayfield counties, the Apostle Islands Lake Shore National Park, and Higgins Ambulance, a paramedic service in Wisconsin Rapids, Wisconsin.
Life Flight Network

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Life Flight 2: Aurora, OR
Life Flight 5: Eugene, OR
Life Flight 6: Dallesport, WA
Life Flight 7: Longview, WA

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www.lifeflight.org  503.678.4364
Stethoscopy for Dummies
Presenter: Bob Page
1300 - 1700
How much did you pay for your stethoscope? How much training did you get on how to use it? This will fill the gap. In this session, participants are provided down to earth “for dummies” information on various types of stethoscopes and how to use them to get the most out of patient assessment. In this “Ear Opening” session, new and improved methods and techniques are presented and lung and heart sounds are also played aloud so all participants can hear the sounds rather than hear a “description” of the sound. Lucky audience members will be selected to take the “stethoscopy challenge” to win a new stethoscope! Participants must bring their own stethoscopes with them. Bob brings simulators for all participants to use their own stethoscopes to hear the various sounds. There is even a test at the end of class to see who earns the right to wear the stethoscope!
See bio on page 2.

Disasters and Disaster Operations: Are You Ready?
Presenter: Jeff Rubin
1300 - 1700
What will EMS responders face in disasters? How can you and your organization prepare for them? How can we expect people to behave? Learn what lessons are available from previous disasters, what could happen in Oregon, and how disasters differ from daily responses.

Jeff has been Tualatin Valley Fire & Rescue’s emergency manager since 2001. He was a Haz-Mat Captain, Special Operations Section of Austin EMS, and worked in the mass casualty planning, hazmat/WMD planning and response for hospital preparedness. Jeff holds a BS from Yale University, and an MA and PhD from the University of Texas at Austin, where he served as Asst. Dean and taught a semester-long Wilderness Medicine class. Jeff was a participant in the NATO Advanced Research Workshop on Mass Casualty Events held in Haifa, Israel, in April 2005 and has participated as a faculty member at several national and international conferences. He has been published extensively in various geological, medical, safety, and emergency management journals.

12 Lead
Presenter: Tim Phalen
Sponsored by Physio Control
0800 - 1700
This program, instructed by Tim Phalen, covers the essential 12-lead interpretation for STEMI recognition. Real world strategies are then presented for recognizing and dealing with the STEMI impostors (non-infarct condition which can cause ST elevation). The program will also cover 15 and 18 lead ECGs for recognizing right ventricular and posterior infarctions as well as LBBB and AMI.

Tim began his career as firefighter / EMT beginning in 1981 where he quickly became the Director of Operations at Harbor City Volunteer Ambulance in Melbourne, Florida. He then became the Deputy Chief of EMS for Indian River County EMS 1991-94. As the founder of PACE (Pre-hospital Advance Cardiology Educations) he moved from field provider to instructor and author. His present company ECG Solutions Inc. has taught hundreds of field providers the benefits of 12-Lead ECG. Tim has published extensively on 12-Lead ECG in JEMS, Paramedic textbooks and the Journal of Emergency Medicine along with presenting at numerous national and international conferences. Tim has a BS from Florida State and obtained his original paramedic certification in 1981. He currently resides in Jonesborough, Tennessee.

Please welcome back Dr. Don McNeill at Thursday evening’s “Dr. Don’s Fireside Chat”. Dr. McNeill, a surgeon turned emergency medicine physician, has been in emergency medicine for thirty years and in emergency medicine with EMT/Paramedic interfacing for thirty-two years. Come share images and thoughts connected to emergency medicine situations. Early history items and intense clues for special situations.

All EMS Providers are welcome and admitted free of charge to Dr. Don’s Fireside Chat!
### Conference at a Glance - Friday, October 2, Conference Day 1

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<td>0800 - 0910</td>
<td>General Session-The History of Cardiac Resuscitation: An Insiders Story with Mike Helbock</td>
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<td>0800 - 1700</td>
<td>Oregon EMS Directors’ Forum (Open to EMS Managers)</td>
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<td>0920 - 1030</td>
<td>Trauma Jeopardy: Case Reviews, Fun and Prizes with Dr. Andy Michaels (repeats at 1055 session)</td>
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<td>1610 - 1720</td>
<td>General Session -- What’s Up With This? with Bob Page</td>
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**Friday Evening**

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<tr>
<td>1830 - 2130</td>
<td>Oregon EMS Trauma Systems Awards Banquet&lt;br&gt;Attire: Business or Dress Uniform</td>
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1830 - 2130 Oregon EMS Trauma Systems Awards Banquet
Friday Evening
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NO HOST COCKTAILS

medicine physician, and relief doctor. He
mediac, a flight physician, an emergency
care, systems development and quality
Portland. His interests include critical
trauma surgeon at Emanuel Hospital in
Andy Michaels, MD, MPH, FACS, is a
trauma surgeon who participated in their
about those cases presented by the
the EMT with actual cases and information
This lecture will be a fast moving, case

OB-GYN Emergencies
Presenter: Mike Helbock
0920 - 1030
Every care provider, from the “First Responder to the Paramedic”, knows
that when it comes to pregnancy-related illnesses or trauma, our blood pressure
rises with anxiety. We will cover both BLS and ALS basics surrounding; the care,
field delivery and transportation of the pregnant patient and the newborn. Demo
will be provided!

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Whole Lotta Shaking Going On, Understanding Seizures
Presenter: Bob Page
1055 - 1205
Ask most people and their definition of a seizure involves the “Grand Mal” seizure
with the person violently shaking all over. Is that all there is? Is this the only type of
seizure? Does it make any difference in the pre-hospital setting what I saw? What
is the correct classification of seizures? This course will show, via videotape, the
various types of seizures, discuss their etiology and proper classification, and
describe the various management issues for today’s EMS personnel. Exciting AV
support and real life case studies makes this a don’t miss session!

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Serving Oregon Since 1953
40 years and has over 30 years of EMS instructor experience. Tom is from the Seattle Washington area and has served as a paramedic for King County Medic One and a paramedic, firefighter and captain of Shoreline Fire. He currently is a Senior EMS Instructor in the Seattle area and is also the ROC Coordinator for Laerdal Medical. He has a strong history in trauma and MCI instruction and also has experience in teaching Hazardous Materials.

**Therapeutic Electrocution: Keeping Current on Pacing**
**Presenter: Bob Page**
1435 - 1545
This is an "electrifying" session that includes hands on use of external pacers. The course includes an overview of the history of use of pacing, understanding pacer function and troubleshooting problems. The workshop also features outstanding actual case history of TCP use in the field. Included in this talk are interesting ways to teach pacing and how to get others to believe in the effectiveness of this technique. The most convincing part of this class is the hands on training that leave participants with empathy for patients who are being paced by a transcutaneous pacer.

Please see bio on page 7.

**Interactive Case Studies -- You Treat and Solve**
**Presenter: Mike Helbock**
1435 - 1545
This session will deal with multiple "live" interactive case studies. Together, we will treat the patient and offer resolutions (at both the BLS and ALS levels). Cases will include medical, trauma, adults and kids......These are a BLAST! Come on in...let's work some cases together!

Please see bio on page 7.

**EMS Vision for the Future Task Group: Report and Feedback**
**Presenter: Dr. Ritu Sahni**
1435 - 1545
Death, taxes, and change - aren’t these the only three things we can be assured of? The world of EMS and EMTs will continue to change and evolve, as it has in the past: rules and regulations, education, (re)certification, and scope of practice. The question is how will Oregon adopt, adapt, or respond to the "EMS Education Agenda for the Future"? The Oregon Medical Board’s EMS Committee and the Oregon EMS and Trauma Systems Program have established a joint work group to review the impact of these changes on Oregon and suggest options. The task group has reviewed multiple options and made some recommendations. This lecture will provide an opportunity to hear the background and initial recommendations. Finally, you will be able to provide some much needed feedback.

Dr. Ritu Sahni is the current Medical Director of the Oregon EMS/Trauma Program and Associate Professor of Emergency Medicine at Oregon Health & Sciences University. He is the current Medical Director of the Lake Oswego Fire Dept and previously held the position of Medical Director of Life Flight Network. Dr. Sahni also serves on the Board of Directors for the National Association of EMS Physicians and the National Registry of EMTs.

**What’s Up With This?**
**Presenter: Bob Page**
1615 - 1715
Ever wonder why we do the things we do in EMS? Have you ever heard someone say, “That’s the way I was taught,” or “That’s the way we have always done it?” These are the little things that we learned to do somewhere from someone, but we really can’t recall why. Things such as how you tape someone down on a backboard to oxygen delivery to “cocktails” and much, much more. In this hilarious and interactive session, Bob takes the audience on a tour of the “sacred cows” of EMS in an effort to prove them valuable or bury them forever.

Please see bio on page 7.

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**Air Medical Case Reviews**
**Presenter: Cadre of Instructors from Association of Air Medical Responders of Oregon (AAMRO)**
1315 - 1425
Air medical providers will review recent calls and discuss integration with local EMS responders. There will be interesting cases for BLS and ALS responders.

**Trauma Training**
**Presenter: Thomas Agnew**
1315 - 1425
Trauma Training is a condensed class that discusses traumatic injuries. It will include Neurological, Thoracic, and Abdominal Injuries. It will give you tools needed to make quick differential diagnosis when time is truly on no one’s side.

Tom Agnew has been involved in emergency medical services for over
Your partner in outstanding patient care.

REACH medical and aviation teams are on duty 24/7, serving Western Oregon from our base in Corvallis.

For 911 calls and interfacility transfers, REACH goes above & beyond.

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### Conference at a Glance - Saturday, October 3, Conference Day II

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<td>0800 - 0910</td>
<td>General Session - Pit crew CPR: AHA guidelines with Dr. Keith Wesley</td>
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<td>Managing Traumatic Brain Injury: A Guidelines Review with Dr. Ritu Sahni</td>
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<td>0920 - 1030</td>
<td>Obesity...the New America with Dr. Carolyn Martin</td>
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<td>How VITAL are Vital Signs? with Bob Page</td>
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<td>Endocrine: Everything Besides Diabetes with Dr. Liz Hatfield-Keller</td>
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<td>Stayin’ Alive with Mark Stevens</td>
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<td>Legal Highs with Dennis Edgerly</td>
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<td>Controlled Substances and EMS: A View from the Registrant with Dr. Steve Tharratt</td>
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<td>Agitated Delirium - A life threatening condition with Dr. Keith Wesley</td>
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<td>EMS Response to Bombings with Jeff Rubin</td>
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### Oregon Emergency Medical Services (EMS) Conference Mission Statement

To provide the highest quality educational conferences for EMTs of Oregon, respecting the diversity of the settings in which they work and drawing from all walks of service to develop curricula that are well balanced and relevant.
Managing Traumatic Brain Injury: A Guidelines Review  
**Presenter:** Dr. Ritu Sahni  
0920 - 1030  
The Brain Trauma Foundation has worked with the EMS Community to determine guidelines for prehospital care of brain injured patients. This lecture will review the guidelines and discuss the evidence that supports or possibly contradicts them.  

Dr. Ritu Sahni is current Medical Director of the Oregon EMS/Trauma Program and Associate Professor of Emergency Medicine at Oregon Health & Sciences University. He is current Medical Director of the Lake Oswego Fire Dept and previously held the position of Medical Director of Life Flight Network. Dr. Sahni also serves on the Board of Directors for the National Association of EMS Physicians and the National Registry of EMTs.

Obesity...the New America  
**Presenter:** Dr. Carolyn Martin  
0920 - 1030  
Background and information and equipment and techniques on how to transport and find airway access in this population of the morbidly obese; an unfortunate reality that is becoming 30% in America. This population is unique in the sense their anatomy is different. Our typical equipment won’t work, access is harder, they don’t fit our boards or collars and it is much easier for them to decompensate. Learn unique strategies to keep them alive to the hospital.  

Dr. Martin graduated from Wayne State University, Detroit Michigan. She was with the US Navy for 10 years. Her internship was at the US Naval Medical Center, San Diego. Dr. Martin spent 3 years as a Shipboard Physician in Yokosuka Japan coordinating care for 9 frigates, destroyers and cruisers. She was in Emergency Medicine Residency at the Naval Medical Center, Portsmouth, Virginia. Dr. Martin spent 3 years at the Naval Hospital in Naples, Italy as EMS and ED director. When she was out of the Navy she worked at Portsmouth Adventist Center and is currently working in the ER department at Providence in Medford, Oregon.

**Interactive Case Studies -- You Treat and Solve**  
**Presenter:** Mike Helbock  
1055 - 1205  
This session will deal with multiple “live” interactive case studies. Together, we will treat the patient and offer resolutions (at both the BLS and ALS levels). Cases will include medical, trauma, adults and kids……These are a BLAST! Come on in…..let's work some cases together!  

Mike Helbock is currently a Washington State Certified/Nationally Registered Senior Paramedic and the Director of EMS Training and Education, Seattle/King County Division of Emergency Medical Services and an MSO for Seattle/King County Medic One. Mike weaves his 30 years of instructing skills and paramedic service into his passion for EMS training and education. Mike is a published author and originator for many of the standard emergency medical practices and training procedures that are incorporated into the EMS community today including the popular,“SICK NOT SICK” approach to patient care.
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Endocrine: Everything Besides Diabetes You’ve Ever Wanted to Know
Presenter: Dr. Liz Hatfield-Keller
1055 - 1205
Endocrine pathways – too little too much: understand how glands affect your treatments. Review the various endocrines systems with case presentations of the conditions you will encounter in the field.

Liz Hatfield-Keller, MD, FACEP, is a staff physician in the Emergency Department at OHSU, where her duties include providing On-Line Medical Control to paramedics in Multnomah, Clackamas, and Washington counties. She is also an Associate Medical Director for Multnomah County EMS. In the past, Liz served as a field paramedic for ten years and as an Emergency Dept RN at Providence Portland. Liz has also been a field training officer, coaching and critiquing performance. Her history with the EMS System provides her with intimate knowledge of the entire scope of prehospital care, continuing care in the ED from the perspective of nursing care and physician treatment, through discharge of the patient.

Stayin’ Alive
Presenter: Mark Stevens
1055 - 1205
Why do survival rates for cardiac arrest vary from 1 to 46% depending on where you live? Let’s explore the reasons why and increase the number of people saved in YOUR community.

Mark Stevens, BA, NREMT-P: Currently serving as EMS Chief for TVF&R, Oregon State PHTLS Coordinator, VP for Oregon Fire Medical Administrators Association (OFMAA), involved in EMS for 30 years, EMS Educator, takes joy in changing prehospital rules and paradigms for the betterment of patient care.

General Session
The Rules of EMS
Presenter: Dennis Edgerly
1315 - 1425
This is a lighthearted look at EMS. In class and training we learn the rights and wrongs from the book. This class is designed to talk about what we know is true, even if it is not written. It gives a chance to laugh at ourselves.

Dennis Edgerly has been involved in emergency services for over 20 year. He began his EMS career as a lifeguard, soon obtaining his EMT certification raising to the level of Paramedic for AMR of Colorado. Dennis became Paramedic Director and field training instructor. He now is the paramedic education coordinator for HealthONE EMS & Trauma. Dennis has presented at numerous conferences nationally and is a contributing author for nationally recognized paramedic text books and was the recipient of the Colorado State Instructor of the Year twice. Dennis continues to make a impact on the delivery of Prehospital call. He resides in Littleton, Colorado.

OB-GYN Emergencies
Presenter: Mike Helbock
1435 - 1545
Every care provider, from the “First Responder to the Paramedic”, knows that when it comes to pregnancy-related illnesses or trauma, our blood pressure rises with anxiety. We will cover both BLS and ALS basics surrounding; the care, field delivery and transportation of the pregnant patient and the newborn. Demo will be provided!

See bio on page 12.

Legal Highs
Presenter: Dennis Edgerly
1435 - 1545
Not cocaine, not LSD, this stuff is legal to possess, but people are using it to get high. This class will discuss some of these substances, that include gasoline, aerosols and others. What to look for and then what to do will be discussed.

See bio above.

Controlled Substances and EMS: A View from the Registrant
Presenter: Dr. Steve Tharratt
1435 - 1545
Does your EMS system adequately account for and control scheduled drugs? What are the consequences of undetected diversion of these medications? Hear from a fire department medical director whose high performing EMS systems were the subject of 2 narcotic diversion investigations

Dr. Tharratt is Director of the California Emergency Services Authority since 2008 and is responsible for the strategic vision and leadership of emergency medical services for California. He has published widely on emergency management issues. He previously served for 13 years as Medical Director for Sacramento County Emergency Medical Services and all Sacramento City and County Fire Agencies. Dr. Tharratt was one of two physicians deployed to the World Trade Center Collapse on September 11, 2001 with the Sacramento Urban Search and Rescue Team. He is a Professor of Clinical Internal Medicine and Anesthesiology at the University of California, Davis School of Medicine.

EMT Game Show Review
Presenter: Bob Page
1610 - 1720
Come on Down, you’re the next contestant on EMT Game Show Review! What a fun way to review EMT information from trauma to medical. Bob creates a realistic game show environment in which the audience participates as well. Contestants will be selected at random. All will benefit as questions that are difficult will be explained by the show host, Bob Page, in ways you will never ever forget. Some of the questions are hilarious, but you will learn with every question answered (or not). There are prizes at stake here, come early and get a seat. The session will rock!

See bio on page 12.

Agitated Delirium - A life threatening condition
Presenter: Dr. Keith Wesley
1610 - 1720
With the rise in use of methamphetamine and cocaine the incidence of excited delirium is skyrocketing. Deaths of prisoners in custody continue to happen far too frequently and EMS is often called in at the last minute to no avail. Recent studies show that these deaths are due to the effects of Excited Delirium of ED and not the direct effect of the Taser®. Dr. Wesley will explore this fascinating subject and provide you guidelines to work more effectively with law enforcement to care for these difficult patients. The pathophysiology of this condition will be reviewed and treatment strategies including pharmacologic restraint discussed.

See bio on page 12.
EMS Response to Bombings
Presenter: Jeff Rubin
1610 - 1720
Large-scale terrorist campaigns with homemade bombs (aka, improvised explosive devices, or IEDs) offer multiple lessons in response and patient management. Bombing response is more than just blast injury; this session will cover blast injury, but will focus on responder considerations for scene and patient management.

Jeff has been Tualatin Valley Fire & Rescue’s emergency manager since 2001. He was a Haz-Mat Captain, Special Operations Section of Austin EMS, and worked in the mass casualty planning, hazmat/WMD planning and response for hospital preparedness. Jeff holds a BS from Yale University, and an MA and PhD from the University of Texas at Austin, where he served as Asst. Dean and taught a semester-long Wilderness Medicine class. Jeff was a participant in the NATO Advanced Research Workshop on Mass Casualty Events held in Haifa, Israel, in April 2005 and has participated as a faculty member at several national and international conferences. He has been published extensively in various geological, medical, safety, and emergency management journals.
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NOTE: Hotel room rates are available only until September 8, 2009. See Page 2 of brochure for details.

Scholarships: A limited number of scholarships are available. To request an application please e-mail Nan Heim, Executive Director of the Oregon State Ambulance Association at osaa@nanheim.com

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Please make checks payable to Portland Community College. Registration must be accompanied by check, money order or approved credit card (VISA or MC). Unfortunately, purchase orders cannot be accepted. On-site registration will be accepted only if space permits.

Register with credit card by phone 503.731.6625 or fax 503.731.6632. Registration form is fillable online at www.oregonemsconference.com Fill it in, print it, then fax!

Refunds and Cancellations: Refunds will be given, less a $25 processing fee, if PCC-IHP is notified at the above phone number, mailing address, or FAX at least 10 working days prior to the start of the conference. Thereafter, NO refunds will be issued. If you cannot attend, you may send a substitute in your place provided that PCC-IHP is notified 5 working days prior to the conference. Thereafter, NO substitutions will be made.

Registration Student Rate: Student must be enrolled in an EMT Basic, Intermediate, or Paramedic program (Summer or Fall 2009). You MUST supply a copy of your official registration/schedule for verification along with the conference registration form. For questions about eligibility, please contact Mark Hornshuh at 503-978-5570. There are no discounted rates for pre-conference workshops. The student rate does not include T-shirt or Friday awards banquet. Please purchase a dinner ($38) if you would like to attend the banquet, noting your meal preference.

Please indicate your area(s) of interest:
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The State EMS for Children Program for sponsoring Pediatric sessions at the conference.
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