Block 1
10–10:30 a.m.

Management Systems

CSHEMA Benchmarking Survey: Development and Recommended Use

Rob Ott, Arizona State University

Grand Ballroom, Salon VII–VIII

The CSHEMA Benchmarking Survey is a useful tool for comparing an institution's funding and staffing levels to its peers. Topics discussed in this session will include: trends based on an analysis of the survey's metrics applied since its inception, overview of the key metrics used in the 2010 survey, examples of how universities can apply metrics from the survey based on the experience of Arizona State University in the budgeting process, and the activities of the CSHEMA Research and Survey Committee related to future developments for the survey tool.

Sustainability

Do the Rot Thing: Compost Happens at Davidson College

Chris Healey, Davidson College

Grand Ballroom, Salon IX–X

Compost is a mixture of organic substances, like food and yard waste, that decomposes aerobically to form a nutrient-rich soil amendment. Davidson College's dining hall creates more than 350 pounds of food waste per day, which previously went directly into the garbage. In April 2009, Davidson installed a commercial composter that turns food and yard waste into a soil amendment for the campus organic herb and vegetable gardens and other campus landscaping projects. This presentation will include a video of the entire process and a discussion of the economics related to the project.

Emergency Management

H1N1 Response and Lessons Learned

Bill VanSchalkwyk, Massachusetts Institute of Technology

Peter Schneider, University of Texas–Austin

Dover Ballroom

Implementing H1N1 response has been a high priority in the college and university sector, a likely precedent for many other scenarios initiating a campus-wide response. As a part of this, the diverse roles of EHS organizations at campuses across the country must be considered. This panel will report on the EHS roles and responsibilities for H1N1 or other public health emergencies. From this, we will suggest capabilities and tasks for which EHS organizations should be prepared to execute when faced with a public health emergency.

Biosafety

A Practical Guide for Select Agent Responsible Officials

Hallie Heaney, University of Maryland–College Park

Waterview Ballroom

At universities conducting research with select agents, much time and energy is required to ensure compliance with changing regulations. Frequently, the responsible official for a Select Agent Program is a director who may feel disconnected from the details and the operation of this program at their facility. This presentation will provide an overview of the Select Agent Program regulations, with a focus on key points for responsible officials.

Block 2
10:40–11:10 a.m.

Emergency Management

Emergency Notification Protocols

Suzanne Blake, James Lee Witt Associates

Grand Ballroom, Salon IX–X

In light of significant emergencies that have impacted higher education institutions in recent years and new Higher Education Act requirements, it is not sufficient to merely have the technical capability to issue emergency notification. This session will detail a proven process of crafting emergency notification protocols recently employed at a major mid-Atlantic university. The presenter will describe challenges associated with creating notification protocols, such as immediacy versus accuracy, user and media expectations, technology limitations, and institutional conflicts. Scenarios will be presented to participants for discussion.

Management Systems

Occupational Health Surveillance

Wayne Thomann, Duke University Medical Center

Grand Ballroom, Salon VII–VIII

There is a critical need for ongoing occupational surveillance in the healthcare industry that is easily accessible and user-friendly, provides timely feedback on exposures, risks, and outcomes, and accommodate the myriad of known and newly emerging hazards present in healthcare facilities. The National Healthcare Safety Network is an internet-based surveillance system established in 2005 by the CDC Division of Healthcare Quality Promotion that includes both patient safety and HCP health and safety modules. This session will discuss this system and how it can help healthcare facilities to better monitor the health of their employees, identify and address problems, improve prevention, and meet record-keeping requirements.

Tuesday, July 20

Biosafety

Risk Assessment Based Standard Operating Procedures for Work in High Containment

Melissa Morland, University of Maryland–Baltimore

Waterview Ballroom

With the increase of research at A/BSL-3 labs, risk assessment-based standard operating procedures are required and will be used by regulators during inspections to evaluate compliance. This session will examine the risk assessment process at the University of Maryland–Baltimore that includes job safety and failure analyses prior to development and acceptance of standard operating procedures.

Block 3
11:20–11:50 a.m.

Biosafety

Decontamination of Salmonella Using Chlorine Dioxide Gas

Tom Boyle, University of Medicine and Dentistry of New Jersey
Mark Czarneski, ClorDiSys

Waterview Ballroom

This session describes the decontamination process using a gaseous chlorine dioxide to decontaminate a 167,000-cubic-feet building at the University of Pennsylvania's New Bolton Center. Decontamination efficacy was demonstrated using paper strip biological indicators, strips containing spores of Bacillus atrophaeous, Bacillus sterothermophalus, as well as coupons of live Salmonella Newport. This work demonstrates the utility of using gaseous chlorine dioxide for the decontamination of large facilities with wood surfaces, cement slab floors, elevators, refrigerators, insulation, office areas, electronic equipment, and HVAC system and ductwork.

Management

Integrating Occupational Health Clinic Services within the EHS Structure

Yong Kim, Stanford University

Grand Ballroom, Salon VII–VIII

As campus EHS groups seek new angles for loss reduction/prevention, one area not often tapped is that of occupational health care management. Over the past several years at Stanford University, collaboration between EHS, risk management, and other key stakeholders has resulted in the shift of occupational health services from contracted off-site units to an on-campus EHS managed process. This recent change has presented unique opportunities for the EHS program. In this session, the presenter will briefly cover Stanford EHS efforts, challenges met, and current/ future opportunities relating to endeavors in occupational health care management.

Sustainability

Surplus Chemical Programs in North American Colleges and Universities

Miram Weil, University of Massachusetts–Lowell

Dover Ballroom

A surplus chemical sharing program is a system to maintain an inventory of unused reagent chemicals which can be given or shared with other researchers or other laboratories. This keeps surplus materials from being unnecessarily discarded and going into the waste stream. This will evaluate the factors that determine the success of such programs and the barriers to instituting successful surplus sharing programs, the usefulness of the program, and whether it can lower the resistance to using used materials for lab experiments.

Emergency Management

Uniting with the "Dark Side:" Making the Most of Public-Private Partnerships

George Nunez, George Washington University

Grand Ballroom, Salon IX–X

Private sector versus public sector. Consultant versus practitioner. Is one really better than the other? Can both sides have the same mission at heart? The presenter will share his candid view on public sector-private sector partnerships, discussing his successes working with the private sector through his university's award-winning Neighborhood Planning Committee concept. He will also share insider secrets and strategies on using the private sector to your utmost advantage, no contract required.

Blocks 4 & 5
3:30–4:40 p.m.

Fire Safety

The Campus Right-to-Know Annual Fire Safety Reporting and FEMA's "University Housing Fires" Report

Jim Gibbs, Arizona State University
John DeLaHunt, University of Texas–San Antonio

Waterview Ballroom

Members of the panel in this session are responsible for gathering and formulating the data for their respective institution, providing 2008 calendar year fire safety statistics, description of policies, and general fire and life safety information per rules of the Campus Fire Safety Right-to-Know regulations. The topic of discussion at this session will include panel members' experiences of how they accomplished their 2008 calendar year reporting, any complications or lessons learned, and a comparison and/or perceived reporting conflicts with the FEMA's "University Housing Fires" Report.

Risk Management

Campus Violence Prevention and Case Management

Note: This session ends at 5:20 p.m. (after Block 6)
Tina Nelson, North Carolina State University
David Rainer, North Carolina State University
Grand Ballroom, Salon VII–VIII

Many campuses are moving toward an enterprise risk management approach to oversee EHS, insurance, public safety, and related programs. At North Carolina State University, work place violence prevention and management falls under EHS. This presentation will explore how and why the institution developed its integrated program and provide a case study of a campus violence incident. Examples of collaboration both within the university and with outside resources throughout the process will be included.

Environmental

EPA's Academic Laboratory Rule (Subpart K)

Jessica Young, EPA
Kristin Fitzgerald, EPA
Grand Ballroom, Salon IX–X

The EPA has finalized the Academic Laboratory rule to help improve the environmental performance of teaching and research laboratories owned by eligible academic entities. This rule provides increased regulatory flexibility, while enhancing safe management of hazardous waste. This session will provide an overview of the major provisions of the the rule by comparing the provisions of the rule to the satellite accumulation area hazardous waste regulations.

Laboratory Safety

Prudent Practices in the Laboratory: An Update

Note: This session ends at 5:20 p.m. (after Block 6)
Peter Reinhardt, Yale University
Barbara Foster, West Virginia University
Robin Izzo, Princeton University
Grand Ballroom, Salon VI

In this session, the authors of "Prudent Practices in the Laboratory," originally published in 1981, will present the new edition, available in 2010. This book was widely recognized as one of the most authoritative references for chemical safety in the laboratory and is included in the nonmandatory appendix of OSHA Laboratory Standard. This new version has been thoroughly updated and addresses new laboratory safety issues including nanotechnology, security, and emergency planning.

Small Colleges

A Survey and Ways to Survive in a Small EHS Office

Kristine Rossmiller, Drake University
Dover Ballroom

This presentation will discuss the results of an expanded survey that was sent to small college EHS offices. The information presented will help persons in small EHS offices identify opportunities for collaboration with other small schools. It will also identify common problems encountered by a small EHS office and offer solutions. Additionally, attendees will learn about a small college EHS toolkit that is being developed.

Block 6
4:50–5:20 p.m.

Emergency Management

Post-Disaster Building and Laboratory Damage Assessment

Note: This session does not end until 6 p.m. (after Block 7)
Steve Goldfarb, University of Southern California
Robert Forsberg, University of Southern California
Waterview Ballroom

Immediately following a major disaster, it is imperative to have the ability to quickly assess the damage to buildings. The University of Southern California has developed an efficient and well-organized plan to quickly assess buildings for damage, stabilize hazards, and render facilities safe to prevent further harm. In this session, attendees will learn how the university trained and organized teams to address more than 250 university-owned buildings as well as how laboratories are assessed using a collaborative approach and how assessments are communicated to senior staff in the Emergency Operations Center.

Tuesday, July 20

Laboratory Safety

Subpart K: One Year After Implementation

Rebecca Steiner, Milwaukee School of Engineering

Grand Ballroom, Salon IX–X

The Milwaukee School of Engineering opted into Subpart K at the end of February 2009. Being the first institution to do so has been challenging as well as rewarding. Many policies had to be set-up, and many have had to go through changes in order to better fulfill the aspects of the new lab rule. The presenter will share what the institution leaned as a result of being the first to go through this process, discussing interpretation of new regulations and how they helped compliance.

Fire Safety

Using GIS to Track and Monitor Fire Alarms and other Health and Safety Incidents

Gail Fellows, West Chester University of Pennsylvania

Greg Witmer, West Chester University of Pennsylvania

The use of data analysis and geographical information systems (GIS) can increase the ability to monitor a campus safety and management program. West Chester University of Pennsylvania's EHS Department uses tools to map and trend fire alarms and fire incidents on campus. In this session, the presenter will share how using these devices helps the department identify the buildings with increased fire alarm rates, determine if an alarm is caused by mechanical issue or human behavior, and resolve issues surrounding false alarms.

Block 7
5:30–6 p.m.

Small Colleges

Campus Safety and Security in an Urban Community: Is Technology the Key?

Bernard Chapple, Edward Waters College
Grand Ballroom, Salon VII–VIII

Edward Waters College is a small, private, urban, historically black college that offers quality baccalaureate degree programs. The college is nestled in a disadvantaged neighborhood that can hinder learning due to concerns about safety. In an effort to mitigate these concerns, the college endorses the use of state-of-the-art technology to watch campus activities with surveillance cameras and works very closely with local law enforcement to speak to students about gang activity and the need to be vigilant in the community. This session will discuss these and other efforts made to keep the campus community safe.

Laboratory Safety

Managing Multiple Campuses

Sarah McAbee, George Mason University
Dover Ballroom

Managing the environmental health and safety of laboratories and field locations across multiple campuses provides unique challenges that must be overcome to provide quality safety and compliance oversight at George Mason University. This presentation examines the strategies employed at the university to overcome challenges presented by multiple campuses and field sites and highlights issues such as training, hazardous waste management, the need for centralized record keeping, managing remote teams, medical surveillance, and providing coverage for customer service and incident response.

Building Design

Smart Laboratory Concept: Balancing Laboratory Safety and Climate Safety

Marc Gomez, University of California–Irvine
Dick Sun, University of California–Irvine
Grand Ballroom, Salon IX–X

Create lab buildings that outperform ASHRAE 90.1/CA Title 24 by 40–50 percent. Come learn how to combine energy initiatives such as centralized demand controlled ventilation, low-flow (high-performance) fume hoods, reduced building exhaust stack air speeds, energy-efficient lighting, and more.