

CleanMed 2008

Pittsburgh, PA • 21 - 22 May 2008

AGENDA

Wednesday, 21 May

7:30 – 8:30 **Registration, Continental Breakfast and Exhibits** *Ballroom Foyer (Mezzanine Level)*

8:30 - 9:00 **Welcome** *Ballroom 1 (Mezzanine Level)*
Teresa Heinz
Gary Cohen, Health Care Without Harm

9:00 - 10:15 **Greening Health Care in Pittsburgh - Leadership Experience at the University of Pittsburgh Medical Center** *Ballroom 1 (Mezzanine Level)*

Facilitator: Caren Glotfelty, Environment Program Director, Heinz Endowments
John Innocenti, President, UPMC Presbyterian Shadyside
Leslie Davis, President, Magee-Womens Hospital of UPMC
Roger Oxendale, President, Children's Hospital of Pittsburgh of UPMC
Devra Davis, PhD, MPH, University of Pittsburgh's Center for Environmental Oncology

Senior managers in health care seldom engage in environmental issues. Learn how senior leadership at the University of Pittsburgh Medical Center (UPMC) system confronted the barriers, how they overcame them and hear the challenges in how they move forward.

Accreditation: E, N, M, A

10:15 - 10:45 **Break**

10:45 - 12:00 **Concurrent Panels (A)**

A1 Creating Healing Environments: Case Studies

Michelle Halle Stern, AIA, PE, Perkins+Will
Tyler Krehlik, LEED AP, Anshen+Allen Architects

*Sterlings
(Lobby Level)*

This panel will discuss implementation of an integrated design process and how to identify and assign roles and responsibilities for key players. Other discussion will include the benefits of green design for public image, employee satisfaction, operational savings, as well as funding.

Accreditation: E, N, M, A

A2 Achieving Food Credits in the Green Guide for Healthcare Construction

Jamie Harvie, PE, Institute for a Sustainable Future
Marie Kulick, Institute for Agriculture and Trade Policy

*Brigade
(Mezzanine Level)*

During this presentation, attendees will learn to describe and be familiar with the GGHC and the overall content as well as explain the necessary steps needed to earn various points within the Food Credit.

Accreditation: E, M, D, A

Wednesday, 21 May

A3 Climate Change 101: The Law of Greenhouse Gases, Threats to Public Health and Clinical Implications

*Le Bateau
(Mezzanine Level)*

Holly Carpenter, RN, BSN, American Nurses Association
Walter Vernon, PE, LEED AP, Mazzetti & Associates
Erica Frank, MD, MPH, Departments of Health Care and Epidemiology and Family Practice at the University of British Columbia in Vancouver; Physicians for Social Responsibility

Human contributions to greenhouse gas emissions have amplified the recent warming of the earth, resulting in global climate change. Healthcare professionals, particularly registered nurses, will be facing new challenges. Participants will receive a primer on understanding global climate change and its effects on our planet and ultimately our health.

Accreditation: E, N, M, A

A4 Electronics Purchasing, Management and Disposal: An Overlooked Opportunity to Reduce Your Ecological Footprint

*Rivers
(Mezzanine Level)*

Facilitator: Judy Levin, The Center for Environmental Health
Susan Zabo, Ohio Hospital Association
Sarah O'Brien, Green Electronics Council
Pradeep Saxena, Kaiser Permanente

Electronic devices contain some of the most toxic chemicals known to medical science; consume significant amounts of energy and present major environmental issues at end of life. In this presentation we will review tools and resources available to help health care facilities responsibly and cost effectively purchase, manage and dispose of these products. Kaiser Permanente will discuss how they have reduced their environmental footprint while reducing energy costs and the Ohio Hospital Association will discuss their regional effort to move the electronics market towards increased sustainability.

Accreditation: E, M, A

A5 Taking the "Toxic" Out of Products: Health Care's Role

*King's Garden
(Mezzanine Level)*

Facilitator: Tracey Easthope, Ecology Center
Ted Schettler, MD, MPH, Science and Environmental Health Network
Al Iannuzzi, Johnson & Johnson
Marilyn Johnson, Dolphin Software

This session will briefly review the weaknesses in the federal regulatory system, and the implications for health care, propose a critical role for health care in advocating for systemic reform as well as acting to change market demand for safer products, and introduce successful models for use by health care systems in evaluating chemicals of concern and introduce tools for manufacturers to review chemical components of products.

Accreditation: E, N, M, A

12:00 - 12:30 **Lunch & presentation of Courage in Science Award, Charlotte Brody Award, and Nursing Student Essay Contest Award**

Ballroom 1 (Mezzanine Level)

12:30 - 1:30 **Keynote Speaker - David W. Orr, PhD**

Ballroom 1 (Mezzanine Level)

Paul Sears Distinguished Professor of Environmental Studies and Chair of the Environmental Studies Program, Oberlin College

Accreditation: A

Wednesday, 21 May

1:30 - 2:45

Concurrent Panels (B)

B1 Raising Awareness about Exposures and Advocacy

*Rivers
(Mezzanine Level)*

Facilitator: Karen Ballard, MA, RN

Kristen Welker-Hood, DSc, MSN, RN, Physicians for Social Responsibility

Jane Houlihan, Environmental Working Group

Michelle Lauer, RN, BSN, BC, Christiana Care Health System

Renee Smith, BSN, MS, CPAN, CAPA, Pennsylvania State Nurses Association, Geisinger Medical Center

Health care professionals (HCPs) and patients are exposed to toxic chemicals in our food, air, and water. This presentation will describe the importance of HCP biomonitoring and special body burdens of chemical trespass. Attendees will address ways HCPs can advocate for safer hospital environments and support regulatory chemical reform.

Accreditation: E, N, M, A

B2 Greening the Red Bag -- Single Use Device Reprocessing and Success

*Le Bateau
(Mezzanine Level)*

Facilitator: Janet Brown, Practice Greenhealth

Jack McGurk, Systems Improvement Initiators, Inc.

Lory Olsson, Association of Medical Device Reprocessors

Beth Wulfeck, Health Alliance of Greater Cincinnati

This presentation will provide an overview on single use device reprocessing to reduce the red bag waste stream in the operating room. The panel will discuss legislative activity, controversy of single use device reprocessing and hear a case study, including cost savings from the Health Alliance of Greater Cincinnati.

Accreditation: E, N, M, A

B3 Define and Conquer: Accomplishing Green Healthcare Projects

*King's Garden
(Mezzanine Level)*

Facilitator: Paul Lipke, Sustainable Step New England

Christina Ayers, AIA, LEED AP, Cleveland Clinic

Kristi Ennis, AIA, LEED AP, Boulder Associates

Todd Henderson, AIA, LEED AP, Boulder Associates

How do you align vision, RFP's, contracts, specs, processes, and feedback loops to deliver healthy, green high performance? What does it look like when you do? Cleveland Clinic & the architects of Boulder's Community Foothills Hospital will share critical lessons learned from deep implementation of sustainability goals in new buildings and operations.

Accreditation: E, N, M, A

B4 Greening the NICU & Beyond: Pediatric Hospitals Highlight Green Advances

*Sterlings
(Lobby Level)*

Facilitator: Teresa Mendez-Quigley, MSW, LSW, Women's Health & Environmental Network

Marcia Barr, BSCE, BBEC, Children's Hospital of Pittsburgh

Sue Heffernan, MN, RN, Children's Hospital and Regional Medical Center, Seattle

Diane Imrie, MBA, RD, Fletcher Allen Health Care

Paul Rosenau, MD, Vermont Children's Hospital

This session will offer innovative approaches to environmentally responsible healthcare with a focus on the unique aspects of hospitals created for caring for infants and children. Leading Children's Hospitals from around the country, using different models, will feature tools and practices around patient safety, quality of care and environmental improvements.

Accreditation: E, N, M, A

Wednesday, 21 May

B5 Innovations in Sustainable Healthcare Food Service: Case Studies

Brigade

Marydale DeBor, New Milford Hospital, CT

(Mezzanine Level)

Erica Frank, MD, MPH, University of British Columbia in Vancouver; Physicians for Social Responsibility
Lorenzo Wimmer, Kentfield Rehabilitation Hospital

This panel will feature hospitals and health systems implementing model sustainable food programs. Topics will include models of organizing regionally, connecting with communities and local food systems, purchasing strategies and solutions.

Accreditation: E, D, M, A

2:45 - 4:00

Exhibits & Posters

Ballroom 2 - 4 (Mezzanine Level)

4:00 - 5:15

Concurrent Panels (C)

C1 Improving Energy Effectiveness in Health Care

King's Garden

Facilitator: Adele Houghton, AIA, LEED AP, Green Guide for

(Mezzanine Level)

Healthcare Construction, Center for Maximum Potential Building Systems

Steve Guttman, PE, LEED AP, Guttman & Blaevoet

Kim Shinn, PE, LEED AP, CxA, TLC Engineering for Architecture

This session addresses environmentally sustainable design practices and building systems in healthcare through examples of best practices for green building design, construction and operations.

Accreditation: E, M, A

C2 There's Gotta Be a Better Way: Participatory Workshop on Reducing the Use of Toxic and Untested Chemicals in Products

Brigade

(Mezzanine Level)

Lara Sutherland, Practice Greenhealth

Find out what health care organizations can do to seek out suppliers and manufacturers who are taking responsibility for preventing pollution issues before they happen by identifying all the chemicals in their products, reducing their use of problematic and untested chemicals, and making this information publicly available.

Accreditation: E, M, A

C3 Engagement: The Key to Environmental Responsibility

Sterlings

(Lobby Level)

Facilitator: Cecilia DeLoach, Practice Greenhealth

Aura Rose, Healthwise Communications

Myra Gray Fouts, RN, MSN, OCN, CNAA, Aptium Oncology

Jolin Wang, LEED AP, Ewing Cole

Natalie Miovski, AIA, LEED AP, Ewing Cole

Utilizing a multifaceted panel consisting of administrator, clinician and architect, we will examine each field's current top concerns, forward-thinking solutions and possible regulatory proposals for future implementation. These advances in environmental responsibility are instigated by evolving healthcare delivery concerns, new regulations and policies, and a desire for a healthier environment.

Accreditation: E, N, M, A

Wednesday, 21 May

**C4 Reducing Chemical Exposure through Purchasing: Case Studies
in Green Cleaners and Integrated Pest Management**

*Rivers
(Mezzanine Level)*

Facilitator: Mary Larsen, Advocate Lutheran
Erica Stewart, Kaiser Permanente National
Catherine Zimmer, MS, Minnesota Technical Assistance Program, University of Minnesota
Jay Feldman, Beyond Pesticides

This presentation will outline the competing factors that are considered in making decisions about what disinfection or sterilization method to use for providing adequate infection control, while protecting worker and patients from the inherently toxic nature of some of these methods.

Accreditation: E, M, A

**C5 Regulated Medical Waste Treatment: Case Studies for
On-site and Off-site Treatment**

*Le Bateau
(Mezzanine Level)*

Facilitator: Joan Plisko, PhD, Maryland Hospitals for a Healthy Environment
Jerry Adams, MD, Georgetown University Hospital, Medstar Health
Stan Robinson, University of Chicago Medical Center
Ira Salkin, PhD, F(AAM), International Society on Analytical Analysis of Treatment Technologies (ISTAT)

This panel will provide insight and outline the decision making process for assessing a medical waste alternative to medical waste incineration.

Accreditation: E, M, A

5:15 - 7:00

**Reception & Exhibits with Book Signing
Sponsored by University of Pittsburgh Medical Center (UPMC)**

*Ballroom 2 - 4
Ballroom Foyer
(Mezzanine Level)*

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Thursday, 22 May

7:30 - 8:30 **Registration, Continental Breakfast & Exhibits** *Ballroom 2 - 4 (Mezzanine Level)*

8:30 - 9:00 **Welcome & presentation of Stephanie Davis Awards** *Ballroom 1 (Mezzanine Level)*

9:00 - 10:00 **Keynote Speaker - Ronald M. Davis, MD** *Ballroom 1 (Mezzanine Level)*
President, American Medical Association

Accreditation: A

10:00 - 10:45 **Breaks and Exhibits**

10:45 - 12:00 **Concurrent Panels (D)**

D1 Transitioning Away from PVC to Safer Alternatives: Science, Precaution, and Action *Le Bateau (Mezzanine Level)*

Facilitator: Michelle Gottlieb, MEM
Richard Grady, MD, Children's Hospital and Regional Medical Center, Seattle;
Washington Physicians for Social Responsibility
Sue Heffernan, MN, RN, Children's Hospital and Regional Medical Center, Seattle
Steven Gilbert, PhD, DABT, Institute of Neurotoxicology and Neurological Disorders

The presentation will discuss the science regarding harmful exposures and health impacts with a focus on phthalates exposures; the role of the Precautionary Principle as a tool for policy decisions, and hands-on examples of transitioning to safer alternatives.

Accreditation: E, N, M, A

D2 Bugs, Drugs, and Flu: Human Health Impacts of Intensive Animal Agriculture and What Health Care Can Do *Brigade (Mezzanine Level)*

Michael Greger, MD, The Humane Society of the United States
Rebecca Golberg, PhD, Environmental Defense

Emerging science makes the point more clearly than ever that infectious diseases now threatening the human population are better understood by considering the radically altered dynamic among humans, food animals, and disease-causing microbes.

Accreditation: E, N, M, D, A

D3 Working Together for Sustainability *King's Garden (Mezzanine Level)*

Facilitator: Janet Brown, Practice Greenhealth
Cecilia DeLoach, Practice Greenhealth
Rachelle Wenger, MPA, Catholic Healthcare West

Corporate social responsibility (CSR), is a framework for ethical conduct that is being embraced at a global level. This presentation will look at CSR and highlight how the aspects of the triple bottom line equation are being addressed by healthcare leaders.

Accreditation: E, N, M, A

Thursday, 22 May

- D4 Pharmaceutical Management Models: Managing, Collecting and Reducing** *Sterlings (Lobby Level)*
Joel Kreisberg, DC, MA, Teleosis Institute
Catherine Zimmer, MS, Minnesota Technical Assistance Program, University of Minnesota
Julie A. Becker, PhD, MPH, Women's Health & Environmental Network

This session will highlight key collection initiatives in two regions, offer strategies on reducing pharmaceuticals in health care, provide a hospital case study on proper disposal methods, and give tools and resources for managing pharmaceuticals.

Accreditation: E, N, M, A

- D5 Climate Change 401: Ecological Footprint and the Quest for Carbon Neutrality** *Rivers (Mezzanine Level)*
Robin Guenther, FAIA, LEED AP, Perkins+Will
Gail Vittori, LEED AP, Center for Maximum Potential Building Systems
Mike Wallace, Wallace Partners

This session will provide an overview of the range of available market tools that measure the environmental footprint of buildings and operation, and a review of the work ahead in customizing them for the healthcare sector -- addressing energy, transportation, medical gases, water, and toxic chemicals. Case study examples of hospitals engaged in reducing their carbon footprint will be featured, using examples drawn from Sustainable Healthcare Architecture (Vittori and Guenther).

Accreditation: E, N, M, A

12:00 - 1:30 **Lunch** *Ballroom 1 (Mezzanine Level)*

1:30 - 2:45 **Concurrent Panels (E)**

- E1 Defining the 21st Century Hospital: Design Innovations in Green Buildings** *King's Garden (Mezzanine Level)*
Ray Pradinuk, MBAIC, LEED AP, Stantec Architecture
Paul Marmion, PE, LEED AP, Stantec Engineering
Jillian Burgess, LEED AP, RMJM Hillier
David Altenhofen, AIA, CSI, CCS, RMJM Hillier

Deep-plan North American Hospitals have long been criticized for their poor indoor environmental quality and in particular for their lack of daylighting for staff. Pradinuk and Marmion will present a study examining whether hospitals with the much higher level of daylighting typically found in European Hospitals can also achieve significantly lower CO2 emissions than deepplan hospitals when aggressive energy conservation measures are applied. Burgess and Altenhofer's case study of the Champalimaud Cancer Research Center in Lisbon, Portugal exemplifies broader sustainable strategies employed in European Hospitals.

Accreditation: E, M, A

- E2 Industrialized Food Systems and Public Health** *Rivers (Mezzanine Level)*
Facilitator: Michelle Gottlieb, MEM
Devra Davis, PhD, MPH, University of Pittsburgh's Center for Environmental Oncology
Ted Schettler, MD, MPH, Science and Environmental Health Network

The industrialization of our food system has created a host of ecological impacts which are adversely affecting human health. This session will describe the hidden human health costs of an industrialized food system dependent on growth hormones, arsenic, pesticides, and genetically engineered foods.

Accreditation: D, M, E, A

Thursday, 22 May

E3 Raising the Bar: Construction and Demolition Recycling Successes

*Le Bateau
(Mezzanine Level)*

Facilitator: Cecilia Deloach, Practice Greenhealth
Mark Lennon, The Institutional Recycling Network
John Ebers, Metro Health
Nick Nichols, Gundersen Lutheran

Construction wastes are generated almost constantly in healthcare and are the industry's largest single waste stream. This presentation will present practical, how-to information derived from over 75 successful projects with an average recycling rate of about 90%. Environmental Excellence Award winners will share their success stories of deconstruction, donation, reuse and recycling

Accreditation: E, M, A

E4 Growing Wealth, Growing Health: Hospitals Leadership in Creating the Sustainable Bio-economy

*Sterlings
(Lobby Level)*

Marie Kulick, Institute for Agriculture and Trade Policy
Mark Rossi, PhD, Clean Production Action
David Wallinga, MD, MPA, Institute for Agriculture and Trade Policy

Attendees will explore hazards and risks posed by our dependence and use of fossil fuel-based plastics, describe key life cycle considerations of plastics made from plants, and review criteria for more sustainable biobased products.

Accreditation: E, N, M, A

E5 Energy Purchasing: Clean and Green Energy Procurement

*Brigade
(Mezzanine Level)*

Facilitator: Gina Pugliese, Premier
Nick DeDominicis, Healthcare Clean Energy Exchange
Tom Hawes, World Energy
Walter Vernon, PE, LEED AP, Mazzetti & Associates
Jeffrey Keyak, Kaiser Permanente

Hospitals can participate in the Healthcare Clean Energy Exchange (HCEE) for the procurement of energy and environmental commodities at prices significantly lower than on the prices found on open energy market to begin reducing their disproportionate contribution to Climate Change.

Accreditation: E, M, A

2:45 - 3:00 Break

3:00 - 4:15 Future of Sustainability in Health Care: The Global Health and Safety Initiative

*Ballroom 1
(Mezzanine Level)*

Pat Burdullis, Catholic Healthcare West
Kathy Gerwig, Kaiser Permanente
Robin Guenther, FAIA, LEED AP, Perkins+Will
Bob Eisenman, Global Health & Safety Initiative
Christina Ayers, AIA, LEED AP, Cleveland Clinic Foundation

4:15 - 4:30 Closing Remarks

Christine Malcolm, Kaiser Permanente

*Ballroom 1
(Mezzanine Level)*

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Educational Accreditation Information

CleanMed 2008 is pleased to offer our attendees a variety of continuing education sessions. CleanMed is working with the following agencies to offer continuing education credit:

Healthcare Executives

Programs marked with an (E) have been awarded for 1.0 hours of pre-approved category II (non-ACHE) continuing education credit for the program toward advancement or recertification in the American College of Healthcare Executives.

Nursing

Programs marked with a (N) have been approved by the American Association of Critical Care Nurses (AACN) for 1.0 Contact Hours, Category A.

Materials Management/Facilities

Programs marked with a (M) have been approved by the Continuing Education Committee of the Personal Membership Groups of the American Hospital Association and the Association for Healthcare Resource and Materials Management (AHRMM).

Dietary

Programs marked with a (D) have been approved for continuing education credit by the Commission on Dietetic Registration (CDR).

Architects/Engineers/Designers

Practice Greenhealth is a Registered Provider with The American Institute of Architects Continuing Education Systems. 11.75 CEU credits earned on completion of this event will be reported to CES Records for AIA members by the Provider. Certificates of Completion for non-AIA members are available upon request.

Educational Legend

E = Healthcare Executives

N = Nursing

M = Materials Management/Facilities

D = Dietary

A = Architects/Engineers/Designers