

2018

Symposium on
Sustainability
in **HEALTH
CARE**



Heapy Engineering

MEP Design Technology Planning Commissioning Energy

Nationally Recognized Leader in Sustainability

ACHE
of Greater Ohio

ACHE F2F CEs, AIA/LU HSWs, GBCI CEs and PDHs are available

9:30 AM - 2 PM TRADE SHOW & NETWORKING

2018 SYMPOSIUM ON SUSTAINABILITY IN HEALTH CARE

2018 SESSION AGENDA

- 8:00 AM - 10:30 AM** **NFPA WORKSHOP**
Room 201 **NFPA Codes and Standards in the Healthcare Environment Workshop**
Providing an overview of NFPA 99, 110, 70, and 101 as they relate to the healthcare environment. Review the requirements of the codes and learn how to apply them in the healthcare setting.
2.5 AIA LU/HSWs, PDHs, GBCI CEs
- 11:30 AM - 1:00 PM** **KEYNOTE LUNCH PRESENTATION**
Ballroom A **Can we use Architecture and Design to Create Healthy Spaces that Promote Patient Health and Wellbeing?**
Applying the physiological and psychological relationship to healthcare planning, design, and architecture.
1.5 ACHE Self Reported Qualified Hours
1.5 AIA LU/HSWs, PDHs, GBCI CEs
- 2:00 PM - 3:30 PM** **EDUCATION TRACKS (2 CONCURRENT SESSIONS)**
Room 201 **Session A - Joint Commission Resources Program**
Most recent changes to the 2012 editions of the Life Safety Code (NFPA 101), the Healthcare Facilities Code (NFPA 99) and the Top Ten most cited standards.
1.5 AIA LU/HSWs, PDHs, GBCI CEs
- Room 203 - 204** **Session B - Reinventing Customer Service in Healthcare: Lessons Learned from the Best**
Consumer-driven services and efficiency are accelerating changes in the way organizations operate and compete.
1.5 ACHE F2F CEs, 1.5 AIA LU/HSW, PDHs, GBCI CEs
- 3:45 PM - 5:15 PM** **EDUCATION TRACKS (2 CONCURRENT SESSIONS)**
Room 201 **Session A - Critical Power needs to meet NFPA / Joint Commission Requirements in the Healthcare Environment**
Discussing Emergency Standby Systems and related Mechanical - Electrical Systems, Fire Pumps and discussions on Code Compliance, Installation and Maintenance.
1.5 AIA LU/HSWs, PDHs, GBCI CEs
- Room 203 - 204** **Session B - Telemedicine in Healthcare Delivery System**
In its increasingly popularity, and the innovative benefits amid the implementation of the Affordable Care Act.
1.5 ACHE F2F CEs, 1.5 AIA LU/HSWs, PDHs, GBCI CEs
- 5:00 PM - 6:00 PM** **NETWORKING HAPPY HOUR**
Cocktails and hors d'oeuvres will be provided

FUTURE OF HEALTHCARE

Welcome to the 8th Annual Symposium on Sustainability in Health Care hosted by Heapy Engineering. Bringing together influential thinkers and experienced program administrators to discuss the innovations and challenges — be they technological, ethical, or controversial — facing today's ever-evolving healthcare sector.

Thank you for attending the 8th annual Symposium on Sustainability in Health Care. We hope what you learn at today's symposium will assist you in integrating sustainable strategies into your everyday approach to healthcare.

— Heapy Engineering

Heapy Engineering, nationally recognized for its leadership in sustainable design, provides MEP Systems Design, Energy, Commissioning, Technology, Planning and SMART Technologies Integration Services primarily for Healthcare, Mission Critical, Higher Education, Government and Cultural markets.

Recognized as one of BD+C Giants Top 15 Healthcare Engineering Firms, Heapy Engineering provides solutions for approximately \$400 million annually in Healthcare projects. Most recently, The Christ Hospital Medical Center at Liberty Township and the Dayton Children's Hospital New Patient Care Tower.

Heapy Engineering is involved in over 400 LEED projects with over 50% of certified projects attaining GOLD or PLATINUM certification.



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8:00 AM - 10:30 AM
NFPA WORKSHOP

2.5 AIA LU/HSWs, PDHs, GBCI CEs

ROOM 201

Welcoming Remarks
JOHN BLACK, PE, CTS, LEED AP BD+C
Senior Principal, Heapy Engineering

Introduction of Panelists
VIC SPANG
Director of Sales, Buckeye Power Sales

**NFPA CODES AND STANDARDS
IN THE HEALTHCARE ENVIRONMENT WORKSHOP**

This session will provide an overview of NFPA 99, 110, 70, and 101 as they relate to the healthcare environment. Attendees will review the requirements of the codes and learn how to apply them in the healthcare setting. The presenter will discuss the requirements and challenges associated with the codes and examine how they work together to provide a higher level of safety and reliability in healthcare.



DAVE DAGENAIS, BS, CHSP, CHFM, FASHE
Director of Plant Operations and Security
Wentworth Douglass Hospital, Dover, NH

Dave is a Certified Healthcare Facility Manager, a Certified Healthcare Safety Professional and a SASHE with the American Society of Healthcare Engineering. Dave has been in the healthcare industry and code development process for over 18 years. He currently sits on the following committees: NFPA Healthcare Section Executive Board, NFPA 730 Technical Committee Guide for Premises Security, NFPA 731 Technical Committee Standard for the Installation of Electronic Premises Security Systems, NFPA Healthcare Section Codes and Standards Review Committee, NFPA 99 Technical Collating Committee, NFPA 99 Technical Committee on Electrical Systems, NFPA 99 Technical Committee on Emergency Management and Security and he has been appointed to the NFPA Healthcare Interpretation Task Force.

11:30 AM - 1:00 PM
KEYNOTE LUNCH PRESENTATION

1.5 AIA LU/HSWs, PDHs, GBCI CEs
1.5 ACE SELF REPORTED QUALIFIED HOURS

BALLROOM A

Welcoming Remarks
JOE FERDELMAN, PE, HFDP, LEED AP BD+C
Healthcare Practice Leader, Heapy Engineering

Introduction of Keynote Speaker
MICHAEL BERNING, PE, CEM, LEED FELLOW
Sustainability Director, Heapy Engineering
Chair, USGBC Ohio

**CAN WE USE ARCHITECTURE AND DESIGN
TO CREATE HEALTHY SPACES THAT PROMOTE
PATIENT HEALTH AND WELLBEING?**

New understanding of our physiological and psychological relationship with our environment can be applied to healthcare planning, design, and architecture to improve the patient experience and improve healthcare outcomes. Bill will explore research that reveals ways planning and design can promote better health.



BILL BROWNING, MSRED MIT, HON. AIA, LEED AP
Terrapin Bright Green

Bill is one of the green building and real estate industry’s foremost thinkers and strategists, and an advocate for sustainable design solutions at all levels of business, government, and civil society. Early in his career, Bill built Buckminster Fuller’s last experimental structure. In 2006, he co-founded Terrapin Bright Green, an environmental strategies research and consulting firm. He is a founding board member of the USGBC. His expertise has been sought out by organizations as diverse as Fortune 500 companies, leading universities, non-profit organizations, the U.S. military, and foreign governments. In addition to consulting, Bill writes and lectures widely on sustainable design and building practices.

PROGRAM INSIGHTS

2:00 PM - 3:30 PM
EDUCATION SESSION A
1.5 AIA LU/HSWs, PDHs, GBCI CEs

ROOM 201

Introductions
MATT GRAHAM, PE, LEED AP BD+C
Principal, Project Manager, Heapy Engineering

Education Track Sponsor
VIC SPANG
Director of Sales, Buckeye Power Sales

JOINT COMMISSION RESOURCE PROGRAM

The adoption of the 2012 editions of the Life Safety Code (NFPA 101) and the Healthcare Facilities Code (NFPA 99) have brought significant changes to the healthcare environment. The Joint Commission has revised and added standards in the Life Safety and Environment of Care chapters to align with the changes. This presentation will go over some of the more recent changes and provide information related to success during survey. We will also review the Top Ten most cited standards and discuss why they continue to be troublesome.



RICK ELDER, BS, CHFM, CHC
Joint Commission Resources

Rick provides healthcare engineering expertise for organizations needing assistance in compliance with Joint Commission Standards. Mr. Elder also has extensive experience with the International Building Code, NFPA codes, FGI Guidelines, and other regulations related to the design and construction of hospitals and healthcare facilities. He has extensive knowledge of life cycle maintenance programs, system design, and operations for critical systems.

PROGRAM INSIGHTS



2:00 PM - 3:00 PM
EDUCATION SESSION B
1.5 ACHE F2Fs, AIA LU/HSWs, PDHs, GBCI CEs

ROOM 203 - 204

Introductions
ERIC LAUDICK
Project Manager, Heapy Engineering

Education Track Sponsor
PIERCE FERRITER
Solutions Sales Manager, Waibel Energy Systems

Introduction of ACHE
KELLY RABAH, FACHE, MSW, CPHQ, CHRM, SSGB
Director of Patient Safety Quality Improvement GME, Wright State University

Introduction of Panelists
MICHAEL FITZGERALD
Director, Healthcare Advisory Network

**REINVENTING CUSTOMER SERVICE IN HEALTHCARE:
LESSONS LEARNED FROM THE BEST**

Consumer-driven services in business and the need for efficiency are accelerating changes in the way organizations operate and compete.



KENT ANDERSON, FACHE, MBA/MHA
President and CEO, Ohio's Hospice

Kent leads a team intensely focused on celebrating life and helping people live their final days on their own terms, with dignity and quality. Our care is not prescriptive. We rely on our patients to tell to us what they want and need-and then work every day to make that happen.



MIKE MONJOT
Director Patient Care in Ambulatory, Dayton Children's Hospital

Mike has extensive experience in ambulatory healthcare clinical operations, working in partnership with physicians and hospital administration to guide significant growth and improved patient experience over the last 15 years.



KELLY RABAH, FACHE, MSW, CPHQ, SSGB
Director of Patient Safety Quality Improvement for GME Wright State University

Kelly is responsible for creating and implementing a program directing WSU resident and fellow initiatives in education, quality and patient safety at Premier Health Hospitals, and Wright State University Offices of Faculty and Clinical Affairs.



Moderator:
MICHAEL FITZGERALD
Director, Healthcare Advisory Network



3:45 PM - 5:15 PM
EDUCATION SESSION A
1.5 AIA LU/HSWs, PDHs, GBCI CEs

ROOM 201

Introduction of Presenter
LARRY COTTERMAN, PE, LEED AP BD+C
Principal, Senior Project Manager, Heapy Engineering

Education Track Sponsor
VIC SPANG
Director of Sales, Buckeye Power Sales

**CRITICAL POWER NEEDS TO MEET NFPA /
JOINT COMMISSION REQUIREMENTS IN THE
HEALTHCARE ENVIRONMENT**

Presentation will discuss Emergency Standby Systems and related Mechanical and Electrical Systems, including Fire Pumps. Presentation will also include discussions regarding Code Compliance, and Installation and Maintenance.



JEFF SCHONEMAN
Kohler Power Systems

Jeff is responsible for working with the consulting engineering community on large and complex projects being designed in the central region for construction anywhere in North America. Prior to his current role, he was an Area Sales Manager for both North America and Latin America, as well as a Marketing Analyst and Field Service Technician. Schoneman joined Kohler in 1977 with training in both electronics and business.

PROGRAM INSIGHTS



3:45 PM - 5:15 PM
EDUCATION SESSION B
1.5 ACHE F2Fs, AIA LU/HSWs, PDHs, GBCI CEs

ROOM 203 - 204

Introductions
DAVID RICKEY, PE, LEED AP BD+C
Senior Mechanical Engineer, Heapy Engineering

Education Track Sponsor
PIERCE FERRITER
Solutions Sales Manager, Waibel Energy Systems

Introduction of ACHE
KELLY RABAH, FACHE, MSW, CPHQ, CHRM, SSG
Director of Patient Safety Quality Improvement GME, Wright State University

Introduction of Panelists
MICHAEL FITZGERALD
Director, Healthcare Advisory Network

TELEMEDICINE IN HEALTHCARE DELIVERY SYSTEM

Telemedicine has become increasingly popular throughout the years. Its innovative benefits are vital interest amid the implementation of the Affordable Care Act.



PAULA GUY
President and CEO, Salus Health
Paula was the driving force behind the formation of and the successes of Georgia Partnership for Telehealth, Alabama Partnership for Telehealth, and Florida Partnership for Telehealth which were 501 (3) C's.



LISA HENDERSON, MHSA
Dayton Children's Hospital
Lisa has extensive experience in business growth, strategic planning, operations and physician relations. Lisa serves as the Executive Director for Dayton Children's Health Partners, and also leads the physician relations program and network development for Dayton Children's Hospital.



TRACY LUOMA, MS, M.DIV, LPCC-S, NCC, CCMHC, ACS
Program Specialist, VA Medical Center
Tracy is responsible for MH Initiatives, Ambulatory Programs, Mental Health Service at the Dayton VA Medical Center, to include the TeleMental Health (TMH) and Mental Health Treatment Coordinator (MHTC) initiatives which include, plan, monitor and evaluate programs and service delivery effectiveness in these programs.



Moderator:
MICHAEL FITZGERALD
Director, Healthcare Advisory Network



9:30 AM - 2:00 PM

TRADE SHOW & NETWORKING

3form 3form Provides Environmentally Friendly Resins, Glass, Acoustical, and Hardware and Lighting Solutions for your Interior and Exterior Projects.	859-653-4069	LATHROP TROTTER Commercial & Industrial HVAC and Power Plant Equipment	513-731-5000
ACHE of Greater Ohio Helping Healthcare Leaders in the Greater Ohio Area Connect and Advance (ohioache.org)	312-424-2800	LEDRAbrands LEDRAbrands is an American Lighting Manufacturer Located in Tustin, CA and has been in Operation in the U.S. Since 1993	714-259-9959
AEROSEAL Aeroseal is a Breakthrough Duct Seal Technology	937-428-9300	LEGRAND Plug Load Control, Dimmers, Sensors, Timers, Digital Lighting Management (DLM)	216-533-1728
Air Enterprises Air Enterprise Air Handling Systems Supporting Healthcare & Infection Control	513-489-7111	Melink Corporation Demand Kitchen Ventilation Controls	513-965-7003
AUTOBRINE / THE COPE COMPANY SALT Automatic Brine Makers and Delivery Systems	800-724-9916 x236	P&R Communications Service, Inc. We're Proud to be Known as Your ONE Source for Wireless Solutions	937-512-8100
Belimo Americas Energy Value	800-543-9038	Riffle & Associates, Inc. Lighting Controls	513-771-0002
BUCKEYE POWER SALES Sales and Service of Standby Power Systems	513-755-2323	SIKA Sarnafil Roofing SIKA Sarnafil Roofing and Waterproofing Systems have been Providing Reliable Protection to Facilities Around the World for Over Fifty Years.	630-947-3427
BWA South Manufacturer's Rep. Specializing in Strategic Sustainable Solutions	614-876-2477	Solid Blend Technologies, Inc. Water Management Solutions	937-264-8453
CE Power - ASCO Transfer Switches, Paralleling Switch Gear	513-900-0177	Source One Contract Interior Surface Materials	614-551-7928
Climate Conditioning / Uptime Solutions VertivCo.com for Liebert, Avocent, Chloride & Trellis	937-237-3400	STARLINE Flexible Power Distribution Solutions	724-597-7800
DIRTT Environmental Solutions Creating Custom Interiors with Minimal Waste, Fast Lead Times, Precise Fit & Finish	859-447-3461	STOERMER-ANDERSON, INC. Innovative HVAC Systems, Services & Solutions	513-527-2300
Eldon Water Industrial Water Management	888-712-4000	The Garland Co., Inc. Building Envelope Products for Efficiency	937-239-4316
ESCO COMMUNICATIONS Comprehensive Suite of Solutions for the Healthcare IT Ecosystem	800-613-3726	The Habegger Corporation / Mitsubishi Mitsubishi and Carrier Leaders in the HVAC Industry	937-224-8050
Gilford Johnson Flooring Gilford-Johnson Provides Exceptional Flooring and High Quality Service to its Customers	877-722-5545	THP Limited Inc. Structural Engineering, Parking, Restoration & Waterproofing Consulting	513-241-3222
Heapy Engineering MEP, Commissioning, Sustainability & Energy, Technology	937-224-0861	TREMCO ROOFING & BUILDING MAINTENANCE Provides Roofing and Building Maintenance, Products, Services and Diagnostics	800-628-7501
Inpro Interior Architectural Products	800-222-5556	US Green Building Council Ohio Transforming Ohio to be More Healthy, Prosperous and Sustainable!	www.usgbc.org/usgbc-ohio
Johnson Controls, Inc. A Global Diversified Technology and Multi Industrial Leader Serving a Wide Range of Customers	513-431-1136	Validated Custom Solutions Aerco High Efficiency Boilers, Fresh-air UVGI	513-919-3328
Kohler Co. Commercial Fixtures and Faucets	513-250-5428	WAIBEL ENERGY SYSTEMS Solutions for Improving the Patient Experience. Connected Building Services.	937-264-4343

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By offsetting this event, 17,227 pounds of CO2 emissions are avoided, which is equivalent to taking two passenger cars off the road for a year or planting 200 tree seedlings and growing them for 10 years.

