



2019

Symposium on
Sustainability
in **HEALTH CARE**



Available ACHE F2F CEs, AIA LU/HSWs, GBCI LEED Specific CEs and PDHs

9:30 AM - 2 PM TRADE SHOW & NETWORKING

2019 SYMPOSIUM ON SUSTAINABILITY IN HEALTH CARE

2019 SESSION AGENDA

9:00 AM **REGISTRATION / EXPO HALL OPENS**

9:30 - 10:30 / 11:00 AM **AM EDUCATION TRACKS** (2 Concurrent Sessions)

TRACK 1 Palliative Care:
ROOM 201 Advancing Quality and Improving Costs
Looking to increase the quality of care while also driving down costs for chronically ill, not just terminally ill.
1.5 ACHE F2Fs, GBCI CEs, PDHs

TRACK 2 Healthcare Systems Executives Discuss:
ROOM 203 - 204 Collaboration to Optimize Current and Future Healthcare Project Outcomes
What factors have changed the decision-making process over the past 10-15 years including the design team, sustainability approach and patient outcomes.
1 AIA LU, GBCI LEED Specific (BD+C) CE, PDH

10:30 - 11:30 AM **TRADE SHOW, NETWORKING**

11:30 AM - 1:00 PM **KEYNOTE LUNCH PRESENTATION**
GRAND BALLROOM Moving Toward Net Zero in Healthcare
Case Studies and Lessons Learned from projects in the Midwest and collaboration among Owners, Architects and Engineers providing solutions forward for Net Zero Buildings.
1.5 AIA LU/HSWs, GBCI LEED Specific (BD+C) (O+M) CEs, PDHs

1:00 - 2:00 PM **TRADE SHOW, NETWORKING**

2:00 - 3:00 / 3:30 PM **PM EDUCATION TRACKS** (2 Concurrent Sessions)

TRACK 1 Effectively Managing Behavioral Health /
ROOM 201 Psychiatric Patient Throughput in the Emergency Room
Indiana's finest Universities discussing the use of High Performance systems and processes across their campuses.
1.5 ACHE F2Fs, GBCI CEs, PDHs

TRACK 2 Healthcare Executives Discuss:
ROOM 203 - 204 Approach to Sustainability and Future Project Outlook
Studies show how green space improves the patient's outcome. How are healthcare facilities addressing the green space?
1 AIA LU/HSW, GBCI LEED Specific (BD+C) CE, PDH

3:00 PM - 4:30 PM **NETWORKING HAPPY HOUR**
Cocktails and hors d'oeuvres will be provided

FUTURE OF HEALTH CARE

Welcome to the 9th Annual Symposium on Sustainability in Health Care hosted by HEAPY. 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 9th 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

ABOUT HEAPY:

Nationally recognized for its leadership in sustainable design, HEAPY 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 25 Healthcare Engineering Firms, HEAPY provides solutions for approximately \$400 million annually in Healthcare projects. Most recently, The UC Health Gardner Neuroscience Institute and The Kettering Health Network Troy Hospital.

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



Conference Image Release:

Attendance at, or participation in, any workshop or conference organized by the Sustainability Conference Group (SCG) / Heapy constitutes consent to the use and distribution by SCG / Heapy of the attendee's image or voice for informational, publicity, promotional, and/or reporting purposes in print or electronic communications media. Video recording by participants and other attendees during any portion of the workshop or conference is not allowed without special prior written permission of SCG / Heapy. Photographs of copyrighted PowerPoint or other slides are for personal use only and are not to be reproduced or distributed. Photographs of any images labeled as confidential and / or proprietary is forbidden.

9:30 AM - 11:00 AM PALLIATIVE CARE

1.5 ACHE F2Fs, GBCI CEs, PDHs

ROOM 201

Introduction of Moderator

DAVID RICKEY, PE, LEED AP BD+C

Senior Mechanical Engineer, HEAPY

PALLIATIVE CARE: ADVANCING QUALITY AND IMPROVING COSTS

Among the least understood hospital service lines by patients as well as doctors, nurses and administrators, palliative care is designed to address the needs of the chronically ill not just the terminally ill. Healthcare systems are looking to palliative care programs to help increase the quality of care provided while also driving down costs.



ERNESTO LOPEZ

Chief Executive Officer, Hospice of Washington County Hospice

Ernesto is an accomplished healthcare executive with over 18 years of healthcare leadership experience, and a demonstrated history of working in both the hospital & post-acute industry.

AMY MESTEMAKER, MD

Medical Director of Community Care, Ohio's Hospice of Dayton

Amy has worked full time in Hospice and Palliative Medicine for 15 years and is a true believer in 'helping patients do as well as they can, for as long as they can' and has managed hospice patients on ventilators, with LVADS, on chronic pressor drips, and with various types of artificial nutrition and hydration.



KATINA STONE-JONES, LISW-S, FACHE, VHA-CM

Chief of Social Work Services, Dayton VA Medical Center

Katina is a Fellow in the American College of Healthcare Executives and an independently licensed social worker for the state of Ohio. She achieved Fellow status as a VA Coach / Mentor and has received many accolades for her commitment to integrity, leadership and clinical achievements.



MARY WALTERS, MSN, RN, CRNI, NEA-BC

Vice President and Chief Nursing Officer
Fidelity Health Care (Premier Health)

Mary serves as the executive leader for Premier Health Advanced Illness Management (PHAIM) program and is dedicated to leading the provision of care in the home as part of the continuum of care. She has a passion to improve the quality of the lives of the people in the communities we serve so they can stay in the home environment.



Moderator:

CLEANNE CASS, DO, FAAFP, FAAHPM, CAQ GERIATRICS
Director of Community Care and Education of Innovative Care Solutions
Ohio's Hospice of Dayton

Cleanne is a Fellow of the American Academy of Hospice & Palliative Care and a Fellow of American Academy of Family Physicians. She was a founding member of the first all female medical practice in Ohio and is active in her community as a volunteer for REACH OUT, a clinic for under insured patients.



9:30 AM - 10:30 AM EXECUTIVE DISCUSSION

1 AIA LU, GBCI LEED Specific (BD+C) CE, PDH

ROOM 203-204

Introductions

ERIC LAUDICK

Project Manager, HEAPY

Education Track Sponsor

ROGER REBENNAK

CEO, Jackson Control

STEVE HECKLER

Ohio Market Leader, Jackson Control

COLLABORATION TO OPTIMIZE CURRENT AND FUTURE HEALTHCARE PROJECT OUTCOMES

Healthcare executives will discuss promoting integrative approach of the design team to optimize current and future project outcomes. The panel will discuss what factors have changed the decision-making process over the past 10-15 years including the design team, sustainability approach and patient outcomes.



JERE COX

Director of Design & Construction, IU Health

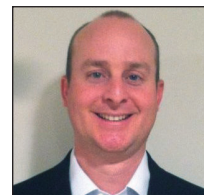
IU Health is the largest healthcare provider in the State of Indiana. Jere has completed over \$50 million of renovation projects, and is currently responsible for overseeing two large, multi-phased hospital construction and renovation projects with total projected value of over \$1 billion.



DR. ROBERT "BOB" FELDBAUER, DBA, MHA, FACHE

Vice President for Facilities, UC Health

Bob serves as UC Health's system Vice President for facilities upon returning to UC Health in June 2016 after 6 years in the Middle East leading three \$1B+ each new hospital build projects.



JEFF KMET, LEED AP

VP of Properties & Construction, Otterbein SeniorLife

Jeff oversees all new and renovation construction projects across all Otterbein locations, inclusive of pre-construction planning, design and ongoing construction project management. The scope of responsibility is considerable, with Otterbein investing several million dollars annually across its 16 locations.



Moderator:

MICHAEL FITZGERALD

Director, Healthcare Advisory Network



JacksonControl
FACILITIES MANAGEMENT TECHNOLOGIES

Thank You to our Education Track Sponsor

11:30 AM - 1:00 PM

KEYNOTE LUNCH PRESENTATION

1.5 AIA LU/HSWs, GBCI
LEED SPECIFIC (BD+C) (O+M) CEs, PDHs

BALLROOM A

Welcoming Remarks

MICHAEL BERNING, PE, CEM, LEED FELLOW

Senior Principal, HEAPY

Introduction of Keynote Speaker

JOE FERDELMAN, PE, HFDP, LEED AP BD+C

Healthcare Practice Leader, HEAPY

MOVING TOWARD NET ZERO IN HEALTHCARE

Mara's presentation will highlight the value of moving towards net zero energy in healthcare buildings and campuses, with a focus on shifting our ways of thinking around the real and perceived barriers. Collaboration equally among Owners, Architects and Engineers to provide the solutions forward for Net Zero buildings will be necessary. Interest in energy efficiency continues to expand, particularly as a growing number of institutions across all parts of the US commit to carbon reductions as a means of improving population health. Mara will share case studies and lessons learned from projects in the Midwest and beyond, where this collaboration has occurred.



MARA BAUM, AIA, EDAC, WELL AP, LEED FELLOW

Sustainable Design Leader, Health + Wellness

HOK

Mara is a WELL Accredited Professional and WELL Faculty member. She has 18 years of sustainability experience in architecture, urban planning, research, teaching and green building certification. Mara is an expert on the intersection of ecological considerations and the creation of healthy, healing environments.

PROGRAM INSIGHTS

SUSTAINABILITY & ENERGY SMART AWARDS

PRESENTED BY:



SPONSORED BY:



2019 SES Awards Recognize and Honor

- Outstanding Projects
- Inspirational Businesses
- Dedicated Community Members
- Volunteers

SUBMIT
ONLINE

www.sesawards.com

AWARD
DEADLINE

JUNE 1, 2019

SW Ohio Region winners
will be announced at the

**SEPTEMBER 17, 2019
DAYTON GREEN EXPO**

*Sustainability and Energy
Smart Awards Luncheon.*



2:00 PM - 3:30 PM ER THROUGHPUT

1.5 ACHE F2Fs, 1.5 GBCI CE, PDHs

ROOM 201

Introduction of Moderator

JEREMY WILLIAMS, PE, LEED AP BD+C

Senior Mechanical Engineering, HEAPY

EFFECTIVELY MANAGING BEHAVIORAL HEALTH / PSYCHIATRIC PATIENT THROUGHPUT IN THE ER

This educational session will discuss strategies to improve the clinical care, assessment and timely disposition of behavioral health patients presenting to the hospital's emergency department and innovative ways to provide high quality of care to behavioral health patients.



DARIC HESS, PE, LEED AP BD+C

Senior Principal, HEAPY

Daric provides valuable technical leadership, insight and creativity from the initial project planning stages through design. He collaborates with healthcare teams to develop readily practical strategies that contribute to positive patient-focused outcomes.



NEICOLE KNOTT

Chief Executive Officer, Beckett Springs Behavioral Health Hospital

Neicole has worked in various roles with the community to develop programs to meet the needs of the youth, adults and families coping with mental health and addiction diagnosis.



CJ KOSTECKA, MHA, BSN, RN, NEA-BC

Director of Nursing, Miami Valley Hospital, Premier Health

CJ has more than 25 years of nursing experience and over 15 years of leadership experience. She provides support and mentoring to assigned areas through budgeting strategic visioning, staffing issues, physician related issues, promoting team work, and helping them to develop their managerial and decision-making skills.



CHRISTINA WAITE, MD

Medical Director for Psychiatric Services, Miami Valley Hospital, Premier Health

Dr. Waite serves as Medical Director for Psychiatric Services at Miami Valley Hospital in Dayton, Ohio. This includes responsibility for our inpatient unit, as well as Consult Liaison services in the ED and on all medical units.



Moderator:

DR. RANDY WELTON, MD

Associate Professor, Psychiatry Director of Residency Training

Wright State University

Randy's focus has been on training psychiatry resident and faculty development at Wright State University. His scholarly activity tends to revolve around psychotherapy topics. During his career, he has served on and led a large variety of teams and working groups. These included general and specialized mental health treatment teams as well as School of Medicine and University Committees.

2:00 PM - 3:00 PM EXECUTIVE DISCUSSION

1 AIA LU/HSW, GBCI LEED SPECIFIC (BD+C) CE, PDH

ROOM 203-204

Introductions

MICHAEL McCOLLUM, PE, LEED AP BD+C

Senior Mechanical Engineer, HEAPY

Education Track Sponsor

ROGER REBENNAK

CEO, Jackson Control

STEVE HECKLER

Ohio Market Leader, Jackson Control

HEALTHCARE SYSTEMS DESCRIBE APPROACH TO SUSTAINABILITY AND FUTURE PROJECT OUTLOOK

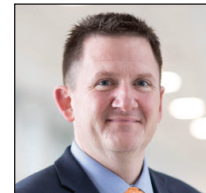
Healthcare systems will discuss their approach to sustainability and how staff's expectations concerning sustainability and the environment are being addressed. Some studies show how green space improves the patient's outcome. How are healthcare facilities addressing the green space?



RAJEEV SINHA, PE, MBA, LEED AP

Director, OhioHealth

Rajeev oversees Design and Construction projects associated with five hospitals in Central Ohio. He is involved with project ideation, budget and finance, design and construction, and post-completion.



TRAVIS TYSON, AIA, NCARB

Director of Architecture and Planning, Cleveland Clinic

Travis works collaboratively with Cleveland Clinic Leadership overseeing programming, planning and design work throughout all Cleveland Clinic facilities. He helps oversee the design and planning of more than 34M square feet of space within the entire Cleveland Clinic Health system.



Moderator:

MICHAEL FITZGERALD

Director, Healthcare Advisory Network



JacksonControl
FACILITIES MANAGEMENT TECHNOLOGIES

Thank You to our Education Track Sponsor

TRADE SHOW & NETWORKING

9:00 AM - 2:00 PM

3form, Inc. / LightArt <i>LEED recycled resin, glass, hardware and lighting.</i>	859-653-4069	Kohler Co. <i>Kohler Commercial Solutions</i>	920-451-4433
Aeroseal <i>Aeroseal seals leaks from inside the duct system with an aerosol mist.</i>	937-428-9300	LATHROP TROTTER <i>Boilers, CHP / Turbines, Grease Duct, Heat Recovery</i>	513-731-5000
Archoustics / RH Contract <i>Distributor of LogiSon Sound Masking, acoustical solutions for problem spaces.</i>	513-257-3211	LEGRAND <i>Lighting and power control sustainable product solutions.</i>	216-533-1728
Arthur N. Ulrich Company <i>Specializing in the on-site AC and DC power field (Generation, Control, Conversion) with multiple products.</i>	800-848-2090	Musillo Sales Agency <i>Quality Commercial plumbing products for health care applications.</i>	855-461-4544
AUTOBrine / The Cope Company Salt <i>Best-in-class solution to managing water conditioning.</i>	513-907-2735	Ohio Bureau of Workers' Compensation - Division of Safety & Hygiene <i>Consultation about safety services and grants.</i>	800-644-6292
Belimo Americas <i>Belimo is a global market leader in the development, production and marketing of actuator solutions for controlling heating, ventilation and air conditioning systems.</i>	800-543-9038	Ohio CAT Power Systems <i>For all your power generation demands, large or small, urban or rural, simple to complex, Ohio CAT is equal to the challenge.</i>	440-526-0520
BUCKEYE POWER SALES CO., INC. <i>Distributor of Kohler Power Systems for the States of Ohio and Indiana.</i>	513-755-2323	SafetyNet <i>Sanitizing solutions that promote safe and healthy environments.</i>	866-918-8546
BWA South Company <i>Manufacturer's Representative.</i>	614-876-2477	Solar Tint & ST Graphics <i>3M Window films: sun control, security, safety, privacy, decorative, custom graphics and signage.</i>	513-829-8818
COCHRANE SUPPLY & ENGINEERING <i>Leading Building Controls & Industrial IoT Supplier - Large Inventory, Tech Support, & World-Class Training.</i>	502-208-3640	Solid Blend <i>Legionella Control</i>	937-264-8453
CRT / Chapel Electric <i>Providing POE lighting solutions for the HealthCare industry.</i>	937-222-2290	STOERMER-ANDERSON, INC. <i>Innovative HVAC Systems, Services & Solutions</i>	513-527-2300
Cummins Power Generation <i>Cummins assists with all aspects of power backup.</i>	513-956-3079	Superior Essex <i>Digital building applications supported by our Power over Ethernet (PoE) cabling are delivering a host of sustainable benefits for the built environment.</i>	484-614-2007
Derbigum Sales Representative <i>We manufacture APP modified bitumen roofing materials.</i>	859-360-9225	The Garland Co., Inc. <i>Leader of quality, high-performance roofing and building envelope systems for the commercial, industrial & institutional markets.</i>	216-641-7500
Eaton <i>Our energy-efficient products and services help our customers effectively manage electrical power more reliably, safely and sustainably.</i>	216-849-6542	THP Limited Inc. <i>Professional Structural Engineering Consulting Firm.</i>	513-241-3222
ESCO COMMUNICATIONS <i>An audio, video, communication, data and security systems integrator. Nurse call, patient safety and clinical workflow, security and audiovisual solutions.</i>	260-234-0845	TREMCO ROOFING & BUILDING MAINTENANCE <i>Providing Roofing and Building Maintenance, Products, Services and Diagnostics.</i>	800-628-7501
Gilford-Johnson Flooring American Biltrite <i>Supplier of high quality environmentally friendly commercial flooring.</i>	800-852-5454	Truescan 3D <i>Providing state of the art reality capture solutions for the Healthcare Industry.</i>	513-755-8733
Hansen Distribution Agency <i>Representing contract & commercial manufacturers throughout the state of Ohio.</i>	614-966-2199	USGBC Southwest Ohio Region <i>Transforming Ohio to be More Healthy, Prosperous and Sustainable! www.usgbc.org/usgbc-ohio</i>	
HCI-TV <i>Effective in-patient engagement and entertainment systems.</i>	937-510-7427	Vertiv / Climate Conditioning / Uptime Solutions <i>Liebert thermal & power solutions for computer rooms.</i>	937-237-3400
HEAPY <i>MEP, Commissioning, Sustainability & Energy, Technology</i>	937-224-0861	Victaulic <i>Delivering innovative piping solutions to owners, engineers and contractors in global construction for 100 years.</i>	937-269-9116
Inpro <i>Interior Architectural Products</i>	800-222-5556	Viega <i>The global leader in press technology.</i>	800-976-9819
JACKSON CONTROL COMPANY, INC. <i>Consults on and delivers basic replacement control components or fully integrated building solutions through technologies, support, and design.</i>	513-702-7788	Wadsworth Solutions <i>Providing secure energy efficient environments.</i>	419-861-8181
JOHNSON CONTROLS, INC. <i>A global diversified technology and multi industrial leader serving a wide range of customers in more than 150 countries.</i>	513-431-1136	Waibel Energy Systems <i>Delivering open systems and lower operating costs.</i>	937-264-4343
Ketchum and Walton <i>Partners with owners to deliver sustainable air filter and AHU solutions.</i>	513-489-7111	*2019 SSHC Education Sponsor	*2019 SSHC Green Sponsors

Special Thanks to Our...

EDUCATION TRACK SPONSOR



GREEN SPONSORS



Stoermer-Anderson, Inc.



SUPPORTING SPONSORS



Life Is On



100% of the carbon emissions from the 2019 Symposium on Sustainability in Health Care have been mitigated with renewable energy credits and carbon offsets donated by Schneider Electric. These offsets address the electricity used at the event and the carbon emissions from attendees' travel.

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.