

AIA LU/HSWs, GBCI CEs and PDHs Available

2018 Dayton Green EXPO

CO-HOSTED BY



INTRODUCING 2018 SUSTAINABILITY & ENERGY SMART AWARDS

PRESENTED BY:



2018 Dayton Green EXPO

SESSION AGENDA At A Glance

9:00 AM - EXPO HALL OPENS

9:30 AM - 10:30 AM EDUCATIONAL SESSIONS (3 Concurrent Sessions)

ROOM 131 **A. Sustainability Through Social Enterprises: Opportunities and Dreams**
Advance and Empower Underserved and Underbanked Communities
1 AIA LU, PDH, GBCI CE

ROOM 120 **B. Urban Agriculture: Planning & Redevelopment of the Urban Landscape**
Re-imagine Urban Landscapes that Integrate
Quality Open Space, Jobs, and Economic Development
1 AIA LU/HSW, PDH, GBCI CE

ROOM 116 **C. Resilient Design and Operation**
Design Issues, Equipment Nuances and Owner Concerns
1 AIA LU/HSW, PDH, GBCI CE

10:30 AM - 11:30 AM - EXPO HALL

11:30 AM - 1:15 PM - KEYNOTE LUNCH PRESENTATION / SUSTAINABILITY & ENERGY SMART AWARDS

GREAT HALL **Corporate Social Responsibility - George Bandy and Charly Bauer**
"WHY?" and "HOW?" Corporations have the Responsibility to Give Back
1 AIA LU/HSW, PDH, GBCI CE

1:15 PM - 2:30 PM - EXPO HALL

2:30 PM - 3:30 PM EDUCATIONAL SESSIONS (3 Concurrent Sessions)

ROOM 131 **A. Food for All: How Can Social Enterprises Close Our Food Gaps**
Approaches to Building a Sustainable Community Food System
1 PDH, GBCI CE

ROOM 120 **B. Caring for Nature - Caring for Our Youth**
Making Our Community Happier, Healthier and Smarter
1 PDH, GBCI CE

ROOM 116 **C. Smart Technologies Integration and State of Ohio Energy Grants**
Synergies and Cost Reductions by Integrating Smart Devices,
Smart Systems, and Distributed Energy Resources
1 AIA LU/HSW, PDH, GBCI CE LEED Specific (BD+C) (O+M)

3:30 PM - 4:30 PM NETWORKING RECEPTION

Cocktails and hors d'oeuvres will be provided.

2018 CO-HOSTS



The Montgomery County Commission launched the DRG initiative to identify strategies to reduce greenhouse gas emissions and become the regional resource for environmental sustainability and energy conservation for all market sectors.

The Dayton Foundation, Miami Conservancy District, and Five Rivers Metro Parks (FRMP) brought together over 70 environmental organizations to form the **Partners for the Environment (PFE)** with the goal of protecting, restoring, preserving, and promoting the environmental and agricultural resources of the Great Miami and Little Miami River Watersheds.

All these Organizations are collaborating on the **Dayton Regional Green** initiative built on the People, Profit, Planet balance. FRMP leads on Social Equity and Livability (People), DRG focuses on Economic and Energy Impact (Profit) and PFE focuses on Natural Resources (Planet).



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.

Heapy Engineering is involved in over 400 LEED projects with over 50% of certified projects attaining GOLD or PLATINUM certification. We are keenly focused on energy. Continually exceeding ASHRAE 90.1 by 5% or more has resulted in meeting or going beyond our client's energy reduction goals.

Energy and Sustainability, we get it. It is part of who we are. We help you achieve it!

To Our Attendees

Thank you for attending the 13th Annual Dayton Green Expo (DGE). As co-hosts of DGE-2018, we hope what you learn at today's breakout sessions will assist you in integrating sustainable strategies into your everyday approach to the built environment.

— Dayton Regional Green and Heapy Engineering

BECKER ENERGY SOLUTIONS <i>BESCO a Lighting and energy solution company.</i>	937-226-1341	Pella Sales, Inc. <i>Fenestration Products</i>	937-435-0141
Belimo Americas <i>Global market leader in the development, production and marketing of actuator solutions for controlling heating, ventilation and air conditioning systems.</i>	800-543-9038	Rauland SoundCom <i>A leader in the design, integration, installation, and support of clinical workflow and communication systems for healthcare facilities, educational institutions and corporations.</i>	513-860-4160
BUCKEYE POWER SALES CO., INC. <i>Distributor for Kohler Power Systems for the States of Ohio and Indiana.</i>	513-755-2323	Sherwin-Williams <i>Engaged in the development, manufacture, distribution, and sale of paints, coatings, and related products to customers worldwide.</i>	317-714-5610
BWA South Company <i>Manufacturers’ Representative Specializing in Strategic Sustainable Solutions.</i>	614-876-2477	STARLINE <i>Starline is a global leader in power distribution systems.</i>	724-597-7800
COCHRANE SUPPLY & ENGINEERING <i>Leading Industrial IoT & Building Controls Supplier.</i>	419-930-7538	Steffens-Shultz, Inc. <i>Since 1951- Central Ohio’s Leader in HVAC and Commercial Systems.</i>	937-454-4980
CUMMINS POWER GENERATION <i>Provider of Cummins Diesel Generators, NG Generators, and Associated Switch Gear.</i>	513-340-0951	STOERMER-ANDERSON, INC. <i>Manufacturer’s Rep - HVAC equipment for commercial, institutional, industrial, process & power generation applications.</i>	888-847-2458
Dayton ASHRAE <i>Advancing the Arts and Sciences of HVAC and related human factors to serve the evolving needs of the public and ASHRAE members.</i>	daytonashrae.org	Superior Hard Surface Solutions <i>SHSS is the midwest’s premier hard surface specialist providing maintenance and restoration to your hard surfaces with quality epoxy floor coatings.</i>	937-679-5197
Dow/DuPont Performance <i>Building code requires air barriers and continuous insulation. We have solutions to help you save time and money and meet the codes.</i>	614-361-6243	THE DAYTON POWER AND LIGHT COMPANY <i>Energy Efficiency Rebate Programs Available for DP&L Customers.</i>	energyefficiency@dplinc.com
Duro-Last Roofing, Inc. <i>Duro-Last is the leader in single ply PVC membrane and with our Custom fabrication technology, it sets us apart from other commercial roofing manufacturers.</i>	800-248-0280	The Garland Company, Inc. <i>High-performance roofing and building envelope solutions.</i>	216-641-7500
ENERVEX <i>Energy-Efficient Multi-Story Venting & Waste Heat Recovery.</i>	513-721-2726	The Habegger Corporation <i>Representing Carrier, the original and industry-leading commercial HVAC manufacturer.</i>	937-224-8050
EPIC METALS <i>Long Span, Architectural Roof and Floor Deck Ceiling Systems.</i>	877-696-3742	TREMCO ROOFING & BUILDING MAINTENANCE <i>Providing roofing, weatherproofing, and building envelope products, services and diagnostics.</i>	800-628-7501
Heapy Engineering <i>MEP & Technology Design, Commissioning, Sustainability & Energy.</i>	937-224-0861	US Green Building Council Southwest Ohio Region <i>Transforming Ohio to be more healthy, prosperous and sustainable!</i>	www.usgbc.org/usgbc-ohio
Icon Solar <i>Switching to solar power is a simple, worry-free process. Passionately driven to save customers money and committed to exceptional customer service.</i>	513-396-7777	Validated Custom Solutions <i>Custom Air Handlers and UVGI Filtration.</i>	513-871-1517
IFMA <i>World’s largest and most widely recognized International Facilities Management Association.</i>	dayton-ifma.com	VECTREN <i>Vectren has Rebates that help Customers.</i>	937-291-7134
Johnson Controls, Inc. <i>Johnson Controls is a global diversified technology and multi industrial leader serving a wide range of customers in more than 150 countries.</i>	513-431-1136	VERTIV/UPTIME SOLUTIONS <i>VertivCo.com for Liebert, Avocent, Geist & Trellis.</i>	937-237-3400
LATHROP TROTTER <i>Boilers, Burners, CHP, Heat Recovery, Turbines</i>	513-731-5000	Viega <i>The Global Leader in Press Technology</i>	800-976-9819
LEGRAND <i>Lighting, Sensor, Timer, & PlugLoad Control Solutions.</i>	216-533-1728	WAIBEL ENERGY SYSTEMS <i>“The Way Buildings Work Better”</i>	937-264-4343
Mohawk Group <i>Worlds largest flooring manufacturer and industry leader in sustainability & product transparency.</i>	513-716-4996	*2018 Dayton Green Expo Green Sponsor *2018 Dayton Green Expo Education Track Sponsor	

9:30 AM - 10:30 AM

SUSTAINABILITY THROUGH SOCIAL ENTERPRISES

1 AIA LU, PDH, GBCI CE

ROOM 131

*Presented by Dayton Regional Green
Panel Moderator: Kevin Hallinan, University of Dayton*

Opportunities and Dreams

Experts will explore how to:

- Advance and Empower Underserved and Underbanked Communities
- Establish Revenue Generating Sustainability Related Enterprises

Speakers will share their insights on impact investing for social and environmental good; lessons learned for local initiatives, and funding opportunities for establishing such organizations..



CHARLIE CARROLL

Pastor, Dayton City Church; Director, Miami Valley Life Center
Charlie is passionate about many things—above all, a holistic and community-driven approach to life—and those passions are what drive his life's work. Born and raised in Dayton, Ohio, Charlie is highly invested in bringing life and energy back to the downtown Dayton area.



AGAYTHA CORBIN

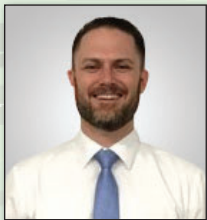
Community Development Corporation Resource Consortium, Inc.

Agaytha has earned great respect in the areas of community-based education and training, as well as organizational development. Her compassion for people and passion to see her community empowered has earned her the respect of many and has allowed her to become a representative voice for her community.

**LEIB LURIE**

CEO, Kids Read Now

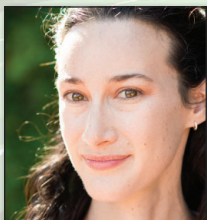
Leib has 35+ years experience developing and providing systems to facilitate communication, and operations at hundreds of Fortune 500 companies and for tens of thousands of non-profit groups around the globe. He has pioneered and managed the global deployment of wireless hand-held telecommunications systems and applications for over 2,000 companies.



GARTH McLEAN

Workforce Manager, Montgomery Co. Development Services - Business Services

Before joining Montgomery County, Garth worked for the State of Ohio in multiple roles. He is a graduate from Sinclair Community College and Wright State University. He truly has a passion for serving Montgomery County!

**RACHEL MEKETON**

Greater Dayton Union Cooperative Initiative

Rachel has worked to advance community economic development at government agencies, non-profit organizations, and for-profit social enterprises. The Greater Dayton Union Cooperative Initiative seeks to build a more sustainable and equitable regional economy through community- and employee-ownership.

9:30 AM - 10:30 AM

URBAN AGRICULTURE

1 AIA LU/HSW, PDH, GBCI CE

ROOM 120

*Presented by Partners for the Environment
Panel Moderator: Eric Sauer, Five Rivers MetroParks*

Planning and Redevelopment of the Urban Landscape

The urban parts of our cities are faced with vacant lots, food deserts and the need for quality employment, how can we re-imagine our urban landscapes in a way that integrates Quality Open Space, Jobs, Economic Development and Food Deserts In Our Communities.



CRAIG FARNSWORTH, ASLA

Design Principal, Hitchcock Design Group
Craig has been involved with a wide range of site-specific projects and master plans for urban, higher education, real estate and historic landscape clients. He uses his experience to give form to his clients' visions through his unique graphic abilities and keen attention to detail.

MY PROGRAM INSIGHTS

[illegible]

9:30 AM - 10:30 AM
RESILIENT DESIGN & OPERATION

1 AIA LU/HSW, PDH, GBCI CE

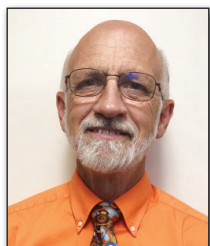
ROOM 116

*Presented by Heapy Engineering and ASHRAE Dayton
Panel Moderator: Evan Nutt, ElitAire*

This session will present a Panel addressing different perspectives on:

- Design Issues
- Equipment Nuances
- Owner Concerns

All regarding Resiliency and Sustainability.



DANNY McCLOUD, LEED AP O+M

Facilities Director, Kettering Medical Center

Danny serves as the Director of Facilities Management for various hospitals in the Kettering Health Network. He is responsible for the management and planning of construction projects at the Kettering Medical Center, Kettering Cancer Center, Kettering Sycamore Medical Center and Kettering Behavioral Medicine Center.



BRAD BONFIGLIO, CEM

*National Director Designing High Performance
Building Management Solutions for Sustainability,
Safety & Cybersecurity, Schneider Electric*

Brad brings more than 20+ years of experience in the building solutions, security and energy management industry. Schneider Electric specialties include Expert Insights & Industry Updates, Specification Design Support, IoT Connected Solutions & Architectures, Card Access & Video Integration, as well as Cybersecurity, Energy & Power Monitoring.



MARK BRUMFIELD, PE, LEED AP BD+C

Senior Principal, Heapy Engineering

Mark is experienced in the design of mission critical projects, large complex university facilities and renewable energy systems. He is instrumental in matters regarding the latest innovations in design and the development of design tools, codes and overall industry insight.

Education Track Sponsor Cochrane Supply

**COCHRANE
SUPPLY**

SUSTAINABILITY & ENERGY SMART AWARDS

PRESENTED BY:



Outstanding Projects, Inspirational Businesses,
and Dedicated Community Members
LEEDing the Way to more
Sustainable Smart Communities.

These Awards Recognize and Honor

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

www.sesawards.com

SES AWARDS LUNCHEON AGENDA

11:30 AM Lunch
11:45 AM Welcoming Remarks



JEFF BOUDOURIS
VP and Chief Financial Officer
Sinclair Community College

Opening Remarks



COMMISSIONER JUDY DODGE
Montgomery County

11:50 AM SES Awards



COMMISSIONER DEBBIE LIEBERMAN
Montgomery County



MICHAEL BERNING, PE, CEM, LEED FELLOW
Sustainability Director, Heapy Engineering
Chairman USGBC Ohio

12:15 PM Keynote Presentation

AWARD NOMINEES

- Alscher-Hancock Residence, Cincinnati, Ohio
- City of Cincinnati
- Champlin Architecture
- CMTA, Inc.
- Dayton Regional Green
- Emersion Design
- Genesis Design
- glaserworks
- Green Cincinnati Planning Process
- Heapy Engineering
- Hilton Hotel Downtown Columbus, Ohio
- Kevin Hallinan
- Lamees Mubaslat
- Mercy West Hospital, Cincinnati, Ohio
- Ohio University
- Paul Yankie
- Perkins+Will
- Shell + Meyer Associates
- South-Western City Schools
- Sanyog Rathod
- Sol Design + Consulting
- THP Limited
- Thomas Graham Associates
- Wright State University

2018 CATEGORIES



SUSTAINABLE PROJECT OWNER
This award honors the **OWNER** of a sustainably built work, addressing the overall sustainability of the building (new, addition or retrofit), interior fit out, landscape, and building systems (including mechanical, renewable energy upgrades, electrical, plumbing, etc.). Please note projects need to be complete and built by the time of submission. Designs are judged on the built work's unique environmental, social and economic successes, and its significant measurable sustainable attributes. Projects do not need to be LEED / WELL / SITES certified. If certified, please include the final checklist.



SUSTAINABLE DESIGN TEAM
This award honors the **DESIGN TEAM** of a sustainably built work, addressing the overall sustainability of the building (new, addition or retrofit), interior fit out, landscape, and building systems (including mechanical, renewable energy upgrades, electrical, plumbing, etc.). Please note projects need to be complete and built by the time of submission. Designs will be judged on the built work's unique environmental, social and economic successes, and its significant measurable sustainable attributes. Projects do not need to be LEED / WELL / SITES certified. If certified, please include the final checklist.



SUSTAINABILITY & ENERGY PROJECT
This award honors the **DESIGN TEAM and OWNER** of a sustainably built project having demonstrated outstanding leadership in energy efficiency. Applicants must submit at least 12 months of energy consumption for the facility to prove the energy reduction impact. Emphasis on unique approaches to energy conservation measures, including material and non-material (programming, educational campaigns, etc.) will be evaluated. (These awards are encouraged to submit for the annual national ASHRAE, AEE and ASHE Energy and Technology Award programs).



SUSTAINABILITY EDUCATION & OUTREACH
This award honors **ORGANIZATIONS and BUSINESSES** engaged in community awareness (education) or assistance (outreach) initiatives to inspire environmentally responsible behavior from the Community. These programs should be external to the organization. Programs are judged on how effectively the message is heard among the targeted constituencies, the specific impact or measurable outcomes the initiative or campaign had on the Community's efforts to be more sustainable and how effectively resources were utilized to reach the constituency.



COMMUNITY SUSTAINABILITY ADVOCATE
This award honors an **INDIVIDUAL** who has served as an advocate for advancing Sustainability initiatives in the Community. This award recognizes an innovative leader in the green building movement that demonstrates exemplary commitment and achievements in creating a more sustainable future.



COMMUNITY VOLUNTEER
This award honors an **INDIVIDUAL** who has strengthened our community through their volunteering efforts on Sustainability, Environmental and/ or Energy Advocacy. Preference will be placed on individuals and their leadership within the contribution to Sustainability organizations such as USGBC, ASHRAE, Dayton Regional Green, etc.



USGBC Ohio works in advancing sustainable buildings and communities that improve the quality of life in Ohio.

It's obvious that in Ohio, we believe in better buildings. Ohio has more LEED schools than any other U.S. state; ranks in the top five in Fortune 500 companies, most of which use LEED; and is seventh in total number of LEED certified projects.

USGBC Ohio is composed of **passionate green building professionals** across every industry who are all working to support better building in the state. Our work focuses on three main areas — **state and local advocacy; sustainability education programs;** and **community service projects**, such as the Green Apple Day of Service and ADVANCE.

Led by a Market Leadership Advisory Board, USGBC Ohio accomplishes its work through four Regional Leadership Teams and statewide committees.

WE INVITE YOU TO JOIN

The U.S. Green Building Council transforms buildings into more efficient and healthy places to live, learn, work, and play. In OHIO, a passionate group of volunteers, staff, and USGBC members are working everyday to advance our shared mission of green buildings for all within this generation. We invite you to join us as we Green Ohio Together.

Our work focuses in three major areas:

- Best-in-class **EDUCATION** and events to build knowledge and expertise on cutting edge green building topics
- Local and state **ADVOCACY** to advance green building policies and practices
- **COMMUNITY** service projects to ensure that all Ohioans enjoy the benefits of green buildings

www.usgbc.org/usgbc-ohio

SES AWARDS JURY

Thank You to the Following Representatives from Our Award Jury Organizations:



ROB MAURO



ERIC ANDERSON



LAMEES MUBASLAT



ANDY CORN



LARRY SHERMAN



WARD SCANTLIN

11:30 AM - 1:15 PM KEYNOTE PRESENTATION

1 AIA LU/HSW, PDH, GBCI CE

GREAT HALL

CORPORATE SOCIAL RESPONSIBILITY

These Corporate Leaders will discuss the “WHY?” behind and the “HOW?” Corporations have the responsibility to give back (and do so) in socially/sustainable ways.

Introductions:

MICHAEL BERNING, PE, CEM, LEED FELLOW

Sustainability Director, Heapy Engineering Chairman USGBC Ohio

Introductions / Moderator



GEORGE BANDY

VP of Sustainability and Commercial Marketing, Mohawk Group

George believes that looking at opportunities to position environmental, economic and socially responsible solutions for customers can set the standard for other businesses to follow that will result in a brighter future for us all. This former chair of the U.S. Green Building Council, shares his perspectives and insights about how and why Mohawk and its employees around the world Believe in Better. Mohawk Group is the commercial flooring division of Mohawk Industries, the largest floor covering manufacturer in the world.



CHARLY BAUER

Director of Stewardship, Jeni's Splendid Ice Creams

Jeni's opened in 2002 in Columbus' historic North Market, and now operates 34 scoops shops nationwide, offers an online shop at jenis.com, and distributes in top grocery stores across the country. As a certified B Corp, Jeni's meets rigorous standards of social and environmental performance, accountability, and transparency. As Director of Stewardship, Charly oversees Jeni's environmental, community, and employee engagement initiatives. And he manages the company's philanthropic giving program that focuses on the arts and human rights.

MY PROGRAM INSIGHTS

2:30 PM - 3:30 PM FOOD FOR ALL

1 PDH, GBCI CE

ROOM 131

Presented by Partners for the Environment

Panel Moderator: Bob Downs, Creations Care Task Force, West Ohio Conference United Methodist Church

How Can Social Enterprises Help Close Our Food Gaps

Ranked second in the nation for food hardship among families with children, Dayton is currently faced with a food crisis. A panel of experts from the non-profit, government, faith, academic, and commercial sectors will discuss a variety of approaches the region is taking and could take to build a sustainable community food system in the Miami Valley that provides good food for all. Our speakers will share their insights on investing in local food enterprises for regional economic development, cooperative models designed to fill market gaps and other social enterprises that are meeting social and economic needs in the community.



ETANA JACOBI

Manager, Hall Hunger Initiatives

Etana Jacobi is the new manager of the Hall Hunger Initiative and comes by way of the Kettering Foundation. Previously she worked as a national training director at the Roosevelt Institute. She currently serves as Treasurer of the Greater Dayton Union Co-op Initiative's board and is deeply involved with the Gem City Market project.



THOMAS JOHNSON

Executive Chef, Dayton Cooks!

Dayton Cooks! is a non-profit culinary arts training program that is a partnership of Grace United Methodist Church and Wesley Community Center. The program has had an impact on hunger among children in the Dayton area as the students prepare nearly 400 meals a day for eight after school programs.



CHANDLER PATTERSON

Case Worker, Homefull

Chandler's work has included a broad range of food initiatives for Homefull, a Dayton, Ohio based social service organization focused on ending homelessness and addressing the core issues of poverty such as housing, food access and employment opportunities. He currently coordinates resources and private and public partnerships toward key food access initiatives such as the West Dayton Food Access Collective Impact Project.



AMAHA SELASSIE

Assistant Professor in Sociology and Director for Applied Social Issues, Sinclair Community College

As a pan Africanist practitioner scholar, Amaha is dedicated towards building bridges of trust, healing historical wounds, and harnessing the unique gifts and talents of every human being as we press towards a just and equitable society. Currently he is the chair of the Gem City Market food coop board, co-founder of West Dayton Strong-a STEAM based summer/after school program in public housing, and co-emerger of the Dayton Lab-a community based participatory research lab located in west Dayton.

2:30 PM - 3:30 PM CARING FOR NATURE CARING FOR OUR YOUTH

1 PDH, GBCI CE

ROOM 120

Presented by Five Rivers MetroParks

Panel Moderator: Karen Hesser, Director of Operations, Five River MetroParks

Are youth connecting to nature? How can organizations encourage youth to gain health and wellness benefits from nature connections? Explore the answers with our panelists and hear specific actionable initiatives on Sustainable Gardening at Home, Miami Valley Leave No Child Inside, DRG's Connect to Nature Award for Schools and Sites Award and Daily Mile initiatives which you can facilitate to make our community happier, healthier and smarter.



ASHLYNN FAVORS

Student

Ashlynn is 14 years old and for the previous five years, has enjoyed attending Adventure Central (AC), a community-based, positive youth development partnership between 4-H Youth Development, Ohio State University Extension and Five Rivers MetroParks. Adventure Central serves at-risk youth and their parents by providing after school and summer activities with an emphasis on nature and science. Ashlynn has been working at AC during the summer as a JET Teen and has volunteered at Adventure Central in youth education and at Five Rivers MetroParks main office, as well as RiverScape MetroPark.



DOUGLAS HORVATH

Naturalist, Five Rivers MetroParks

Doug loves sharing nature with children and adults. He recently received the 2017 NAI Master Frontline Interpreter recognition for his many years in teaching with organizations including the YMCA, the National Audubon Society, and Five Rivers MetroParks. He holds a Masters degree in Zoology from Miami University and currently works as an Education Coordinator with Five Rivers MetroParks.



ROOPSI NARAYAN

*Senior Manager, Premier Community Health
(a division of Premier Health)*

Roopsi's scope of responsibilities spans three service lines: Workplace Wellness, Breast and Cervical Cancer Project, and School Health Services. She oversees more than 50 on-site and field staff, comprised of clinicians, educators, and administrative personnel. Roopsi received her Master's degree in Public Health from Wright State University, and obtained her Certification in Public Health in 2015.



TIM PRITCHARD

Sustainability Coordinator, Five Rivers MetroParks

Tim received a Bachelor of Science degree in Environmental Biology from Ohio University. He then trained as a naturalist at Arc of Appalachia Nature Preserve System and worked as an educator at Five Rivers MetroParks, teaching sustainable horticulture and conservation before accepting his current position. Tim currently serves on the City of Dayton Environmental Advisory Board and the Montgomery County Solid Waste Districts' Management Planning Committee.

2:30 PM - 3:30 PM SMART TECHNOLOGIES INTEGRATION & STATE OF OHIO ENERGY GRANTS

SUPPORTED LOCAL CHARITIES

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

ROOM 116

Presented by Heapy Engineering

The IoT (Internet of Things) has enabled integration of the multiple systems/equipment used in Buildings, Campuses and Cities to improve communications, monitor and manage energy use, enhance people comfort and boost overall productivity. Smart Technologies Integration (STI) addresses how to use the IoT to develop more efficient and effective means for systems to work together. STI finds synergies and ultimately cost reductions via integrating Smart Devices, Smart Systems, Distributed Energy Resources (Renewable and Alternative Energy, etc.). Also to be addressed will be the Ohio Development Services Agency's Energy Efficiency Program.



MANNY ANUNIKE, PhD

Energy Specialist, Ohio Development Services Agency

Dr. Manny Anunike has served as an Energy Specialist with the ODSA for over two decades. He currently oversees the daily activities of the commercial, municipal, universities, schools, and hospitals' (C/MUSH) energy efficiency and renewable energy initiatives.



MICHAEL BERNING, PE, CEM, LEED Fellow

Sustainability Director, Senior Principal, Heapy Engineering

Michael has helped lead the A/E/C industry on its path toward its present day sustainably-based perspective. A registered Professional Engineer and one of only 270 LEED Fellows world-wide, Michael's 39 years in the Building Design and Construction industry has spanned from Energy to Sustainability to Resiliency. A past member of the Editorial Board for Environmental Design and Construction Magazine, he has written extensively on Sustainability topics. He has presented at numerous Regional and National Conferences, most recently at the 2017 Living Building Challenge (IFLI) Conference in Seattle. Michael's insight on the "What's Next?" will provide firms valuable information to navigate their future in the A/E/C industry.

***The Dayton Green Expo will make a donation to the following charities:
Big Brothers Big Sisters and The Foodbank, Inc.***

Big Brothers Big Sisters of the Greater Miami Valley

For more information or to donate, visit www.bbbsgmvm.org



The local Big Brothers Big Sisters (BBBS) organization and Heapy Engineering have joined forces to participate in its mentoring effort at Southdale Elementary School, just a block away from our Dayton Headquarters. Heapy Engineering employees are in their 5th year participating in weekly mentoring sessions with a "Little".

The Foodbank, Inc.

For more information or to donate, visit www.thefoodbankdayton.org

For 40 years, The Foodbank has served as the primary source of food for the hunger relief network in the Miami Valley. Heapy Engineering and its employees have continuously contributed to The Foodbank, Inc. through generous donations during the holidays and Casual for a Cause Fridays for more than ten years reaching beyond the Miami Valley to Columbus, Cincinnati, Cleveland, Findlay and Indianapolis locations.

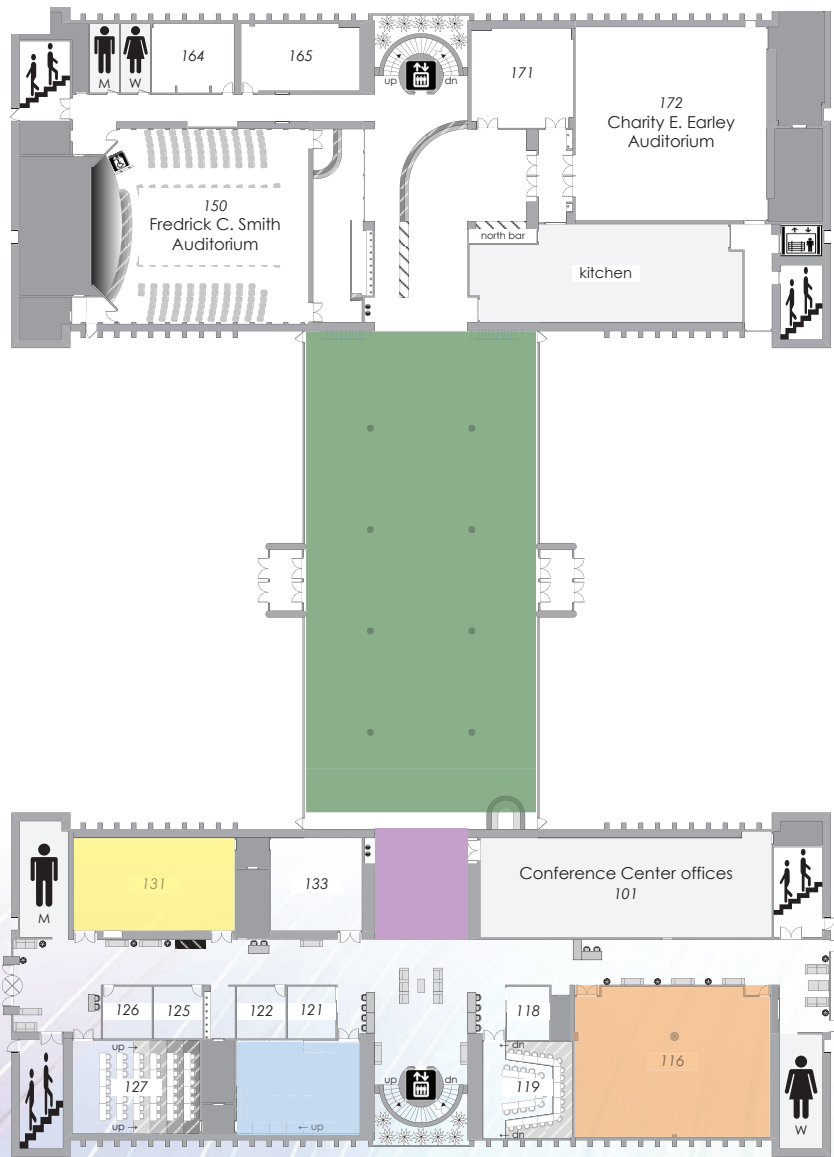


Education Track Sponsor Cochrane Supply

**COCHRANE
SUPPLY**

AT A GLANCE CONFERENCE MAP

EDUCATION SESSION ROOM GUIDE



9:00 AM EXPO HALL



9:30 AM - 10:30 AM EDUCATIONAL SESSIONS

ROOM 131

A. Sustainability Through Social Enterprises:
Opportunities and Dreams
1 AIA LU, PDH, GBCI CE



ROOM 120

B. Urban Agriculture: Planning & Redevelopment
of the Urban Landscape
1 AIA LU/HSW, PDH, GBCI CE



ROOM 116

C. Resilient Design and Operation
1 AIA LU/HSW, PDH, GBCI CE



10:30 AM - 11:30 AM - EXPO HALL



**11:30 AM - 1:15 PM - KEYNOTE LUNCH PRESENTATION /
SUSTAINABILITY & ENERGY SMART AWARDS**

GREAT

Corporate Social Responsibility
George Bandy and Charlie Bauer
1 AIA LU/HSW, PDH, GBCI CE

HALL



1:15 PM - 2:30 PM - EXPO HALL



2:30 PM - 3:30 PM EDUCATIONAL SESSIONS

ROOM 131

A. Food for All ;
How Can Social Enterprises Close Our Food Gaps
1 PDH, GBCI CE



ROOM 120

B. Caring for Nature - Caring for Our Youth
1 PDH, GBCI CE



ROOM 116

C. Smart Technologies Integration
and State of Ohio Energy Grants
**1 AIA LU/HSW, PDH,
GBCI CE LEED Specific (BD+C) (O+M)**



3:30 PM - 4:30 PM NETWORKING RECEPTION

Cocktails and hors d'oeuvres will be provided.

Special Thanks to Our... **SPONSORS**

Education Track Sponsor



In-Kind Sponsor



GREEN SPONSORS



Avocent® Liebert®

Stoermer-Anderson, Inc.

And...

SUPPORTING ORGANIZATIONS



AIA
Dayton



AIA
Columbus



AIA
Indiana



PARTNERS FOR THE
ENVIRONMENT



Dayton Chapter

The carbon emissions from the 2018 Dayton Green Expo are 100% offset with renewable energy credits and carbon offsets donated by:

Life Is On

Schneider
Electric



Printed on Recycled Paper