



Morning Sessions

8:00 - 8:30 AM

8:30 - 9:20 AM

Dan Overbey is the Sustainability Director at Browning Day Mullins Dierdorf. His writing focuses on high performance design and construction, applied research in environmental systems, LEED-related services and energy modeling. Dan is also an educator at Ball State's Architecture school.

9:30 - 11:00 AM

Scott Bowman is a licensed Professional Engineer and LEED Fellow who has been involved in high-performance buildings, energy efficiency, and sustainability for his entire career. Scott retired as Principal and Corporate Sustainability Leader from KJWW. Scott has been involved in over 100 LEED Certified projects, 12 of which were Platinum at KJWW. Scott formed Integrated Design + Energy Advisors LLC to assist owners and design teams to reach high levels of performance

11:10 - 12:00 PM

Kevin McCurdy is a licensed Architect, a LEED AP BD+C and a Living Building Challenge Ambassador. Kevin has participated in the design, construction, and/or Certification of a number of LEED certified projects. Kevin is currently involved in the Design, Construction and Certification of the Cope Environmental Center which is pursuing full Living Building Challenge Certification.

12:00 - 1:00 PM

Afternoon Sessions

1:00 - 1:50 PM

David Horton has been General Contractor for 15 years and PHIUS Certified Builder, a PHIUS+ Rater and Verifier. David is a LEED AP for Homes, a LEED Green Rater and LEED QAD. He is also a Level 1 IR Thermographer of Building Science.

2:00 - 2:50 PM

Jeffrey Dukes is Director of the Purdue Climate Change Research Center and a Professor in the Department of Forestry and Natural Resources and Biological Sciences at Purdue University. His research primarily focuses on responses of ecosystems and plant communities to climate and atmospheric change, and the arrival and spread of invasive species. He has a particular interest in how these themes interact.

3:00 - 3:50 PM

Tim King holds a Bachelor of Science in Civil Engineering from Rose-Hulman Institute of Technology and has been the Assistant Professor for a Low Impact Development course at his alma mater. He is a licensed Professional Engineer and LEED AP with Guidon Design, a Service Disabled Veteran Owned Small Business in Indianapolis, Indiana

4:00 - 4:50 PM

Jim Poyser is the Executive Director for Earth Charter Indiana. Earth Charter focuses on inspiring and advancing sustainable, just and peaceful living in Indiana by promoting the values and principles of the Earth Charter. The group's work includes two programs, Sustainable Indiana 2016 and Youth Power Indiana. Youth Power is Youth-driven climate stewardship and civic leadership.

Sessions Schedule

Coffee, Continental Breakfast and Networking

Dan Overbey



Introduction to the WELL Building Standard

This course will provide attendees with an overview of the WELL Building Standard. It will outline the purpose, key components, and structure of the standard. The course will address the medical basis for the Concepts and Features of WELL. It will also introduce the design and construction strategies to create healthy buildings and meet the requirements of the WELL Features. Finally the course will define the certification process of WELL.

Scott Bowman



Integrative Design Process

This hands-on workshop will review in detail the Integrated Design (ID) process using activities and audience engagement. For the ID process to work, you need architecture, engineering, and everyone else on the design team to collaborate in a way that has not been in the traditional delivery. Molds of past practices need to be broken and thrown away. The traditional roles should be replaced with more flexible and dynamic relationships that maintain discipline requirements and duties, while at the same time allowing for a deeper level of listening, communication, dialogue and understanding.

Kevin McCurdy



Cope Environmental Center: Indiana's First Living Building, A Case Study

The Cope Environmental Center (CEC) in Centerville, Indiana, has been a forward looking environmental organization since it was founded by Jim and Helen Cope in 1992. In 2014, the board unanimously supported pursuing Living Building Certification (LBC) of their first major building project, which is 80% complete. LBC differs from LEED in taking a much more aggressive approach to minimum project requirements, though the end goals are similar. The case study of CEC's new environmental education center will introduce the basics of LBC and review the challenges of designing and building to this standard in the specific context of Indiana.

Lunch (Included in your Registration Fee) and Networking

David Horton



Passive House as a Path to Carbon Neutral

David Horton, a Certified Passive House Consultant, Builder Rater and Verifier will guide the audience through solutions to carbon emissions related to buildings. David will explore the true accounting of carbon emissions with buildings, as opposed to traditional thinking that excluded some important metrics. David will present Passive Building as an approach that is the path of least resistance to low carbon construction. David will explain what is necessary with Passive Building, as well as what is commonly mistaken about Passive Building.

Jeffrey Dukes



Climate Change and Nature

This course will focus on responses of ecosystems and plant communities to climate and atmospheric change and the spread of invasive species. He will explore what properties of ecosystems make them susceptible to invasion by non-native species. He will also explore how the various elements of global change, such as climate change, increasing CO₂ and increasing nitrogen deposition affect the species composition of plant communities. He will also address how we can best restore invaded ecosystems.

Tim King



Stormwater Then and Now: LEED v9 case study and v4 implementation

This course provides an in-depth look at the LEED stormwater credits in v2009 and V4. A case study will demonstrate an innovative green infrastructure solution for the Downtown Transit Center in Indianapolis and the calculations involved in achieving a innovation credit for SSc6.1 for v2009. The course will also explain the theoretical and regulatory framework for the Rainwater Management credit in v4 and will demonstrate the specific calculations required to achieve the credit.

Jim Poyser



All Hands On Deck: Solving the Climate Crisis . . . Together

This presentation will contain current consensus science on how quickly our planet is warming, most especially the past decade. In fact, we are shattering records in 2016, which is deeply disturbing for numerous reasons e.g. methane release from melting permafrost and seabed repositories. Simple graphs and animations will explain the albedo effect as well as indicate the profound ice melt currently occurring in the Arctic. The second part will discuss youth-led projects and showcase Youth Power Indiana. The last part will include follow-up from the Climate Leadership Summit attended by 13 cities and 7 mayoral speakers.

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