



**DESIGN  
COLUMBUS  
2017**

**Sustainable Building  
Education Day & Trade Show**

For a Healthy, Prosperous & Sustainable Future!

Tuesday, October 10, 2017  
8:00 AM - 5:30 PM

[www.designcolumbus.org](http://www.designcolumbus.org)  
#DesignCbus

Ohio Union  
1739 N. High Street  
Columbus, OH 432410

## WELCOME from CSI Columbus Chapter President



On behalf of the Columbus Chapter of the Construction Specifications Institute, welcome to the 2017 edition of DesignColumbus. We wish to thank you for sharing part of your day building upon your knowledge base with the carefully selected education sessions, visiting the experienced vendors in our trade show, and networking with your colleagues and peers. This event is crafted at building together the construction community consisting of architects, engineers, product manufacturers, and contractors under one roof with a vision of collaboration and improving upon the built environment. DesignColumbus is a joint effort between the local chapters of the CSI and USGBC. I welcome you to each of our respective booths. Both groups are engaged in industry related activities that may be of your interest. I look forward to meeting with you this afternoon or perhaps at a future CSI chapter

engagement.

*Jerry Stickler*

Jerry Stickler  
Columbus CSI Chapter President

## WELCOME from USGBC Central Ohio Region Chair



On behalf of USGBC Central Ohio Region – I would like to welcome you to DesignColumbus 2017! We are excited to offer this year's event in the- Student Union of The Ohio State University. ( LEED Silver & a Columbus Green Spot). Today's event offers AIA & GBCI credits from a compelling variety of session choices throughout the day, as well as "up to the minute" product solutions at the Expo. This is USGBC Central Ohio's 7th year to co-host DesignColumbus. Beginning January of 2017, Ohio's 4 regional chapters merged into one chapter, bringing together a wealth of statewide resources and programming to offer our membership. We are thrilled to have Mahesh Ramanujam, USGBC National's President / CEO here to introduce our panelists for our lunchtime Keynote session.

I believe you will leave today's event with an appreciation and excitement of the dynamic growth of the Sustainability right here in Central Ohio. Have a great day!

A handwritten signature in black ink that reads "DeEtte DeWeese". The signature is fluid and cursive.

**DeEtte DeWeese**

Chair, U.S. Green Building Council – Central Ohio Region

# VENDORS & SPONSORS

## BOOTHS

- |    |   |    |  |
|----|---|----|--|
| 01 | PELLA WINDOW & DOOR                               | 22 | TIMBUK FARMS/LIVEROOF                              |
| 02 | LG HAUS AMERICA                                   | 23 | RECORD AUTOMATIC DOORS                             |
| 03 | KEY RESIN   | 24 | ANDERSEN WINDOWS                                   |
| 04 | GE CONSTRUCTION SEALANTS                          | 25 | CENTRIA  |
| 05 | AGC GLASS NORTH AMERICA                           | 26 | SIKA CORPORATION                                   |
| 06 | LSI INDUSTRIES                                    | 27 | ICON SOLAR   |
| 07 | CARLISLE SYNTEC SYSTEMS                           | 28 | FRANKLIN INTERNATIONAL                             |
| 08 | NICHIHA USA                                       | 29 | ARMSTRONG COMMERCIAL FLOORS - OHIO VALLEY FLOORING |
| 09 | SPECIALTY ARCHITECTURAL PRODUCTS                  | 30 | OLSON ARCHITECTURAL PRODUCTS                       |
| 10 | COLUMBUS AWNING COMPANY                           | 31 | OBERFIELDS LLC                                     |
| 11 | CUSTOM BUILDING PRODUCTS - AMERICAN OLEAN/DALTILE | 32 | PARKSITE / DUPONT TYVEK                            |
| 12 | ALLEGION  | 33 | AIR CONTROL PRODUCTS                               |
| 13 | ENGINEERED SYSTEMS                                | 34 | THE GARLAND COMPANY                                |
| 14 | PPG INDUSTRIES                                    | 35 | SHERWIN WILLIAMS                                   |
| 15 | PROSOCO   | 36 | LIGHTING SYSTEMS OF COLUMBUS - ACUITY BRANDS       |
| 16 | DMI METALS  | 37 | INTERNATIONAL MASONRY INSTITUTE                    |
| 17 | DOW BUILDING SOLUTIONS                            |    |  |
| 18 | THE BLUE BOOK                                     |    |  |
| 19 | GLENNY GLASS                                      |    |  |
| 20 | ATAS INTERNATIONAL                                |    |  |
| 21 | VIPER II VAPOR BARRIERS                           |    |  |

## SPONSORSHIPS

### SUPPORTING SPONSORS:

- AIA
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- Columbus Green Fund
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### BAGS

- Hamilton Parker

### LANYARDS

- Marvin Windows

### FOOD

- Columbus Builders Supply
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### BEVERAGES

- SAFTI First
- Viper II Vapor Barriers
- National Gypsum

### DOOR PRIZES

- Dow Building Solutions
- DMI Metals
- National Gypsum
- Sika Corporation

### HAPPY HOUR

- Virginia Tile

### PRINTING

- ARC Document Solutions

## PLATINUM SPONSORS





# EDUCATION SESSIONS

## 8:00 AM - 9:00 AM

### SESSION 101

## LEVERAGING INSIGHT2050 FOR LOCAL PRINTING

Presented by

**Michael Curtis**, *Planning Next*

**Jennifer Noll**, *Mid-Ohio Regional Planning Commission*

**Kimberly Shields**, *City of Grove City*

**Matt Manda**, *MKSK*

**Jim Demsky**, *Korda/Nemeth Engineering*

1 GBCI CE, 1 AIA LU/HSW (credits pending)

In the past three decades, Central Ohio has experienced unprecedented population growth. Over the next 30 years, growth is expected to continue. However, the demographic makeup will be dramatically different: over 80% of new growth will be in households without children. What are the implications of these changing demographics on Central Ohio's built environment? How can we shape where and how growth occurs in order to promote an environmentally and fiscally sustainable future? This panel discussion will introduce insight2050, a collaborative initiative led by MORPC, ULI Columbus, and Columbus 2020, that helps Central Ohio communities, businesses, and development leaders evaluate and prepare for the impact of population growth and changing demographics. Using the example of GroveCity2050, a recently completed Vision and

Development Plan for Grove City, Ohio, the session will show how communities are working with the building and design industry to adopt policies that encourage sustainable land use policies to guide future development. The work will be especially important to other communities experiencing significant changes in demographics and market preferences. The session will also emphasize how the public can be effectively engaged to be part of the process and to support the implementation of the programs, policies and projects that will advance a plan's goals.envelope, HVAC, lighting strategies, green roof, future-flexibility, and functionality.

### SESSION 102

## DOING GOOD BY DOING WELL: WHAT EVERY DESIGN AND CONSTRUCTION PROFESSIONAL SHOULD KNOW ABOUT THE ROLE OF THE BUILT ENVIRONMENT IN THE WELLNESS REVOLUTION

Presented by

**Michael Huaco**, *McKession*

**Daphne Kackloudis**, *Brennan Manna & Diamond, LLC*

**David Scott (Moderator)**, *Brennan Manna & Diamond, LLC*

1 GBCI LEED Specific BD+C, 1 AIA LU/HSW (credits pending)

the Living Building Challenge and briefly discuss any barriers those pathways may have in the local building market.

project delivery method. The team is pursuing LEED NC v2009 silver certification for all individual buildings. This session will describe the history of the project, the design process, and its basis in the academic mission of the university. The team will discuss the overall project design, the project's sustainability features, construction process, and lessons learned after the buildings have been in operation for at least one year.

### SESSION 202

## NORTH RESIDENTIAL DISTRICT TRANSFORMATION: A CASE STUDY ABOUT OHIO STATE'S LARGEST RESIDENTIAL COMMUNITY PROJECT

Presented by

**Molly Calhoun**, *The Ohio State University - Office of Student Life*

**Jeremy Gabis**, *The Ohio State University - Office of Student Life*

**Aubrie Smith**, *The Ohio State University - Office of Student Life*

1 GBCI CE, 1 AIA LU/HSW (credits pending)

The North Residential District Transformation project is Ohio State's largest residence hall construction project ever built. It was finalized in August 2016 and was built in two phases. Construction spanned three years while parts of the district were still in operation. At a cost of \$365 million, the project completely transformed 27 acres on the north campus area; 3,200 new beds were added in seven residence halls and the project included two dining facilities and a recreation center. It is Ohio State's largest project built using the Design Build

### SESSION 203

## DAVID WORKING FOR A GREEN GOLIATH: A MODERN PARABLE OF POTENTIALLY MISMATCHED PARTICIPANTS

Presented by

**Matthew Kennedy**, *HKS, Inc.*

**Camilla Moretti**, *HKS, Inc.*

1 GBCI LEED Specific BD+C, 1 AIA LU/HSW (credits pending)

OProMedica Health & Wellness Center is a building recently completed in Sylvania, Ohio that is applying for LEED Silver. The project includes 230,000 GSF of ambulatory care space to be completed at a cost of \$50 Million. HKS, Inc. is a global design powerhouse that has completed over 131,863,952 GSF of LEED registered and certified

This presentation will inform leaders in the design and construction industry about recent trends and the evolving role of the built environment in the workplace wellness movement. Panelists will discuss the business case for pursuing LEED and/or WELL, including fostering innovation attracting and retaining talent, and leveraging the interplay between buildings and wellness to improve the bottom line.

### SESSION 103

## SUSTAINABLE ARENA DESIGN

Presented by

**Sara Boyer**, *Moody Nolan*

**Kris Cochran**, *Moody Nolan*

**Allen Schaffer**, *Moody Nolan*

1 GBCI LEED Specific BD+C, 1 AIA LU/HSW (credits pending)

This interactive presentation will take a deep dive into three collegiate arena projects in Ohio and Illinois. Covering renovation and new construction, the challenges and opportunities of this building typology will be described. These high profile projects each have unique designs and stories related to sports and sustainability.

projects and is currently ranked as the number 2 firm in the United States in the category of sustainable design. Conceived and developed by planners and designers at HKS, the Health & Wellness Center would seem to be a humble challenge to the power-house of sustainable design project processes and resources available to HKS designers and planners. However, this presentation will walk attendees thru the ups, the downs and even the sideways of shepherding development of such "humble" projects thru the sustainable design practice in a big firm. The presentation will give attendees a rare insider's view of what truly happens in the office of a green champion and reveal the truth behind the myths...the real story of LEED in a big firm: the story behind humble green designs in the midst of a green Goliath.

## 9:30 AM - 10:30 AM

### SESSION 201

## LIVING BUILDING CHALLENGE - WHAT IT TAKES: A LEED v4 CASE STUDY

Presented by

**Jacqueline Langhals**, *Ohio Department of Rehabilitation & Corrections*

**Allen Schaffer**, *Moody Nolan*

**Johnna Keller**, *M+A Architects*

**Eric Boxer**, *Go Sustainable Energy*

1 GBCI LEED Specific BD+C, 1 AIA LU/HSW (credits pending)

Where does LEEDv4 end and Living Building Challenge begin? What does it take for a LEEDv4 project to move into the Living Building realm? Session 201's panel will analyze just that by discussing a current LEEDv4 project in Columbus, Ohio that has its sights on net zero energy -- Columbus Recreation and Parks Department's Wyandot Lodge.

Presenters will begin with a quick introduction to what the Living Building Challenge is and discuss where the Living Building Challenge standard overlaps with the LEEDv4 rating system. From there, they will break apart the design and construction process of Wyandot Lodge, analyzing what additional steps would be needed to achieve Living Building Challenge certification. As this project is pursuing net zero energy, we will also look at the different certification pathways of

## 12:00 PM - 1:00 PM

### KEYNOTE

## REDEVELOPMENT OF WATERFRONT NEIGHBORHOODS

Presented by

**Steven Schoeny**, *Director of Development, City of Columbus*

**Guy Worley**, *President / CEO, Columbus Downtown Development Corporation*

**Frederic Bertley**, *President / CEO, COSI*

1 GBCI CE, 1 AIA LU/HSW (credits pending)

Redevelopment of the Scioto riverfront has been a focus of Columbus's 2010 Downtown Strategic Plan and recent groundbreakings in the Scioto Peninsula and Franklinton neighborhood continue those renewal efforts. Keynote panelists at DesignColumbus 2017 represent major project stakeholders who will discuss current and upcoming development in the area, as well as share insights on the planning process. Highlighted will be two major ongoing projects: the National Veterans Memorial & Museum and Center of Science and Industry.

# EDUCATION SESSIONS (CONTINUED)

## 1:30 PM - 2:30 PM

### SESSION 301

#### CLEVELAND 2030 DISTRICT

Presented by

**Cynthia**, *Cleveland 2030 District*

1 GBCI CE, 1 AIA LU/HSW (*credits pending*)

The Cleveland 2030 District is a movement to create a high-performance building district in the Greater Cleveland area with the objective of dramatically reducing the environmental impacts of building construction and operations while increasing Cleveland's competitiveness in the business environment and owners' return on investment. The goal is a 50% reduction in energy use, water consumption and CO2 emissions from transportation. This voluntary movement engages progressive property owners and managers to reduce their operating cost. The Cleveland 2030 District provides building performance reports, connects members to professional stakeholders who can help them meet their goals, and offers educational resources and technical assistance. It also collaborates with several other environmental stewardship organizations and has a close partnership with the USGBC Ohio NEO Region to bring programming and other networking opportunities to members.

### SESSION 302

#### COLUMBUS SPANISH IMMERSION ACADEMY

Presented by

**Jocelyn Krosky**, *DesignGroup*

**Michael Bongiorno**, *DesignGroup*

1 GBCI CE, 1 AIA LU/HSW (*credits pending*)

The mission of the Columbus Spanish Immersion Academy is to promote, through a global approach, the acquisition of the Spanish language and an awareness and knowledge of the various cultures that are encompassed by the Spanish-speaking world. The goal of this program is to provide the highest quality education for all students through the cooperation of staff, parents, and community representatives in a caring, productive environment, which is conducive to meeting the total needs of each child. DesignGroup worked with Columbus City Schools to design this 66,000 SF facility to include sustainable, well-design features that kept the client on time and under budget.

## 3:00 PM - 4:00 PM

### SESSION 401

#### FRAMEWORK 2.0 - SUSTAINABLE OPPORTUNITIES FOR THE OHIO STATE UNIVERSITY

Presented by

**Carolyn Verga**, *The Ohio State University*

**Rebekah Gayley**, *The Ohio State University*

1 GBCI CE, 1 AIA LU/HSW (*credits pending*)

Framework 2.0 goals include the following:

- Promote student success
- Support academic research and outreach
- Strengthen access and connectivity
- Transform natural systems and open spaces

Currently, Ohio State spends approximately \$300 million annually on facilities, landscape and infrastructure. This amount of construction changes the physical and natural environment in a myriad of ways. This session will explore which opportunities from Framework 2.0 lend themselves to sustainability approaches and tactics as part of a group work session.

### SESSION 402

#### CARROTS, STICKS & VALUE TRANSPARENCY - REAL WORLD SOLUTIONS FOR MOVING ANY MARKET TOWARDS HIGH PERFORMANCE BUILDING

Presented by

**Paul Yankie**, *Green Building Consulting*

1 GBCI CE, 1 AIA LU/HSW (*credits pending*)

This presentation will discuss current real world examples of tools that are being used to move markets—some willingly and most unknowingly—toward more sustainable and higher performance building practices. Some examples of tools that will be discussed include:

- CARROTS – City of Cincinnati LEED and City of Cleveland Green CRA Tax Abatement Programs
- STICKS – IECC (Energy Code) OR City of Austin's Energy Conservation Audit and Disclosure Ordinance
- VALUE TRANSPARENCY – Greening the MLS Initiative

Not every tool works for every community because not every community has the same goals. Session attendees will learn

### SESSION 303

## ONGOING PERFORMANCE - LEED EB O+M AND ARC PLATFORM

Presented by

**Doug Widener**, *U.S. Green Building Council*

**David Marcus**, *U.S. Green Building Council / Arc Skora*

**Alyson Erwin**, *NBBJ*

**1 GBCI LEED Specific O+M, 1 AIA LU/HSW (credits pending)**

Arc is a state-of-the-art platform designed to help building owners/managers collect, manage and benchmark building data to improve sustainability performance. Arc was created by GBCI to make USGBC, GBCI and their partners' visions a reality by connecting people all over the world to actions and inspiring them to make the most informed decisions. This empowers people to connect and collaborate toward a collective higher quality of life. Arc is the go-to place to track all of the inspirations, connections and actions related to the sustainability of our built environment. Arc uses its platform to allow users to measure performance, make improvements and benchmark against other projects. It is a complement to LEED and other green building rating systems, standards, protocols and guidelines and allows buildings and spaces to compare performance metrics and connect those metrics to green building strategies. Arc enables incremental improvements and

can put a project on track for LEED or other rating system certifications. This presentation will focus on the Arc technology platform and how it is used as a building data performance tool, as well as how it relates to LEED EB O+M certification/re-certification. Case studies of buildings that are currently using Arc will be featured.

how to take the tools that are discussed and tailor them to each community's needs and wants. This is usually best done by learning from the pioneers of these tools to determine the successes and/or challenges faced, as well as the resulting intended (and unintended) consequences.

### SESSION 403

## COMPARING SUSTAINABILITY IMPLEMENTATION ACROSS VARYING UNIVERSITY CAMPUSES

Presented by

**Michael Senger**, *Heapy Engineering*

**Ryan Henderson**, *Heapy Engineering*

**1 GBCI CE, 1 AIA LU/HSW (credits pending)**

A discussion on how universities of different sizes, types and locations approach LEED as a tool for improving their building portfolios over time.



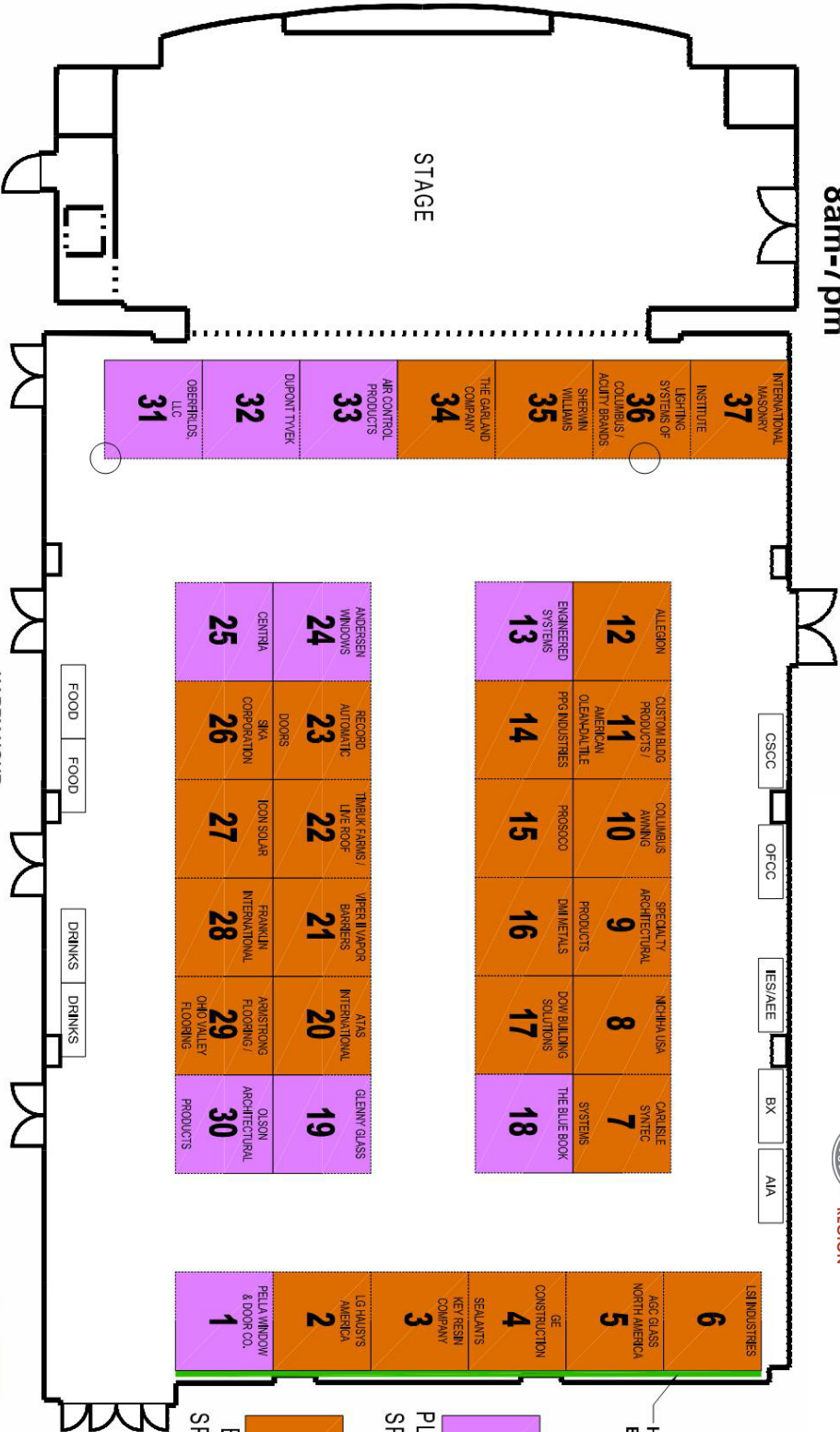
# PROGRAM MAP

## OHIO UNION - PERFORMANCE HALL

**DESIGN**  
COLUMBUS

**TUESDAY,**  
**OCTOBER, 10**  
8am-7pm

CO-SPONSORED BY:



**37 - 8'x8' BOOTH**

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**HIGH BACK BOOTH**

### EXHIBIT HALL LAYOUT

AS OF 09-10-17

WiFi Access:

Network: **WiFi@OSU**

Password: **None Required**

KEYNOTE LUNCH WILL BE IN THE ARCHIE GRIFFIN BALLROOM ON 2ND FLOOR