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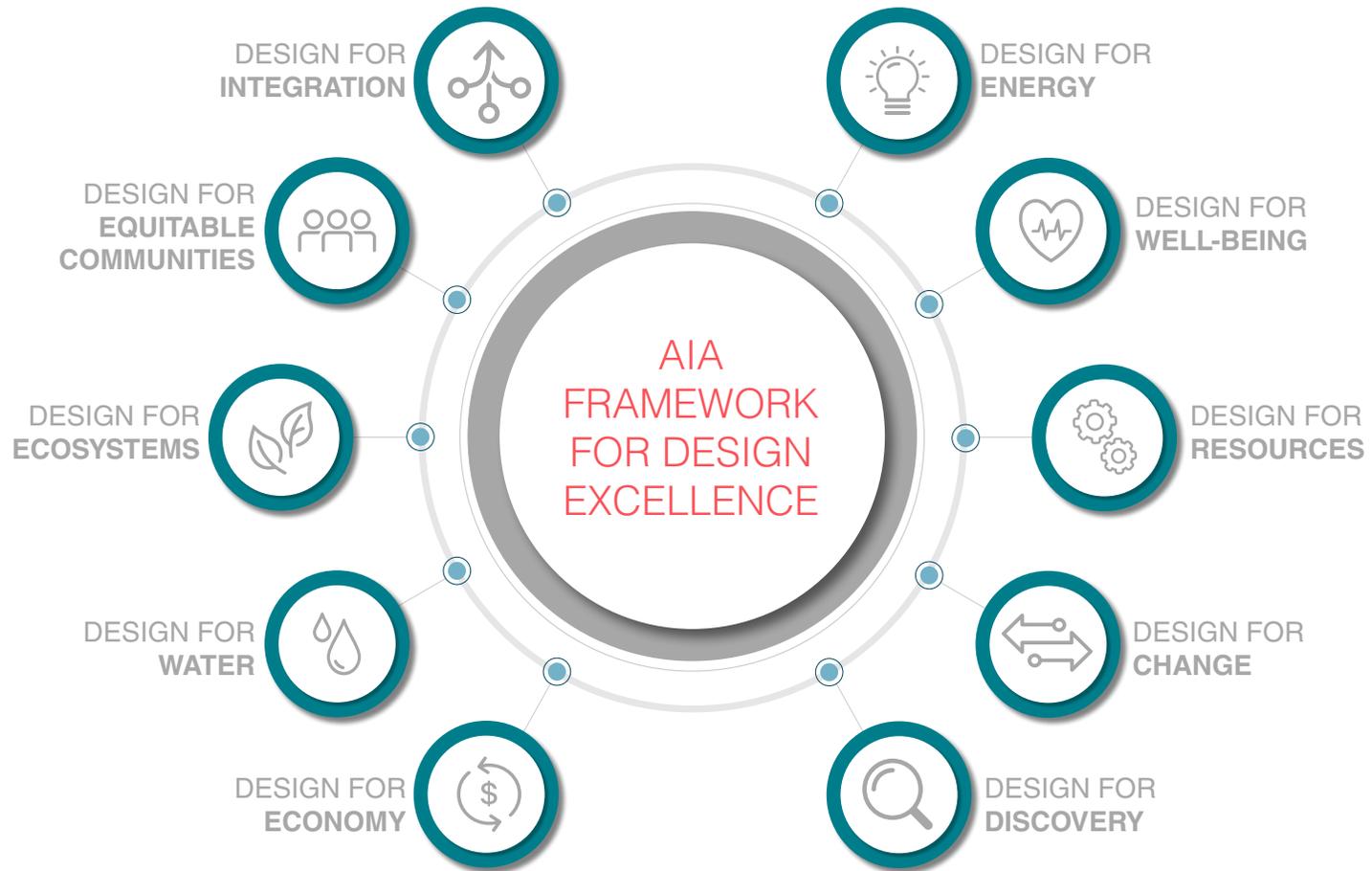


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Build Pittsburgh, now in its 20<sup>th</sup> year, brings together a community of architects and built industry professionals to engage in institutional learning.

The largest, best-attended continuing education event in the Tri-State region, Build Pittsburgh provides opportunities to interact, network, and connect with people representing all aspects of the built industry.

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## Registration Info & Options

**Member Pricing** Member pricing is extended to all AIA, Assoc. AIA, GBA, and MBA members, and to AIA Pittsburgh Allied Members (formerly Industry Partners).

**Reduced Rates** Assoc. AIA, Fellows, and Emeritus members receive reduced rates.

**Firm Group Discount** Purchase 6 or more Full Packages together and receive a 10% discount. Use the code “BuySave” at checkout!

**Current students, volunteers, Education committee members, and presenters, please contact AIA Pittsburgh BEFORE May 14th for your discount code.**



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[AIAPGH.TICKETLEAP.COM/BP21](https://AIAPGH.TICKETLEAP.COM/BP21)

**REGISTRATION DEADLINE IS:  
MAY 16, 2021 @ MIDNIGHT!**



## Pricing

Registration Options		Member	Non-Member	Assoc. AIA & Emeritus
Full Package Pass	Early-bird	\$100	\$150	\$75
	Regular	\$150	\$200	\$100
Single Sessions	Early-bird	\$20	\$30	\$15
	Regular	\$30	\$40	\$25

All registrations will be collected online at [aiapgh.ticketleap.com/bp2021](http://aiapgh.ticketleap.com/bp2021)

To pay by check, please enter the promo code “PayCHECK” and send your check, payable to AIA Pittsburgh, to the address below. Checks MUST be received by May 10th to qualify for the discount rate. Otherwise the registration will be adjusted to the full rate and balance will be due before meeting invitation is sent.

AIA Pittsburgh 925 Liberty Avenue, Suite 700 Pittsburgh, PA 15222

**Register by Sunday, May 9 to take advantage of the Early Bird Rate!**



PRINT THIS PAGE TO USE AS A SCHEDULING GUIDE DURING REGISTRATION!

<b>Tue, May 18</b>	<b>11:30 AM</b>	<b>12:45 PM</b>	<b>2 PM</b>	<b>3:15 PM</b>	<b>4:30 PM</b>
	Keynote Address : Curtis Moody ● Leadership	SESSION 1: Radical Technology in the age of COVID-19; affected Residential & Commercial Indoor Air-Quality ● Building Science ◇	SESSION 2: Design Excellence Requires Understanding of Construction Phase Risks ● Design, ● Practice	SESSION 3: How to Make The Most of Energy Modeling from SD Through Post-Occupancy ● Design, ● Building Science ◇	SESSION 4: Work Better: Go Back To A Better Experience ● Design, ● Leadership ◇
<b>Wed, May 19</b>	<b>Noon</b>	<b>1:15 PM</b>	<b>2:30 PM</b>	<b>3:45 PM</b>	<b>5 PM</b>
	SESSION 5: Equity Conversation with City Departments ● Practice, ● Leadership	SESSION 6: Biomimicry In Architecture ● Design, ● Building Science ◇	SESSION 7: Modern Documentation Technologies: A Guide for Design Professionals ● Design	SESSION 8: Decarbonization: Understanding Operational and Embodied Carbon ● Building Science ◇	SESSION 9: Dark Skies – More Than Just Romance – Light Pollution, Urban, Environmental, and Design Issues ● Design ◇
<b>Thu, May 20</b>	<b>Noon</b>	<b>1:15 PM</b>	<b>2:30 PM</b>	<b>3:45 PM</b>	<b>4:30 - 5:30 PM</b>
	SESSION 10: Bringing It Home: Insights from the National Intercultural Leadership Program (NILP) to Inspire a More Equitable Architecture Community In Pittsburgh. ● Leadership ◇	SESSION 11: Small Town EnerPHit: The Wilds ● Building Science ◇	SESSION 12: Pennsylvania’s Climate Action Plan – What it Means for Architects ● Leadership ◇	SESSION 13: Design Competitions, ● Leadership	Digital Cocktail Reception

COURSE TRACK DESIGNATIONS KEY:

- **D(ESIGN)**  
Design topics include planning a project, either new building or existing, from concept design through design development and documentation.
- **P(RACTICE)**  
Practice topics includes processes, procedures, and policies involved in running a firm/project and creating a safe and sustainable built environment including project delivery systems, contracts and agreements and intellectual property, ethics, and risk management as they are practiced within firms, corporations, government agencies, and other organizations.
- **B(UILDING SCIENCE)**  
Building Science focuses on systems integration, materials and methods, operations, and metrics of a viable building that contributes to a healthy work and living space.
- **L(EADERSHIP)**  
Leadership covers leadership knowledge that inspires changes and transformations in thinking and practice, including issues of society, community, firms, and organizational entities.
- ◇ **HSW**  
Health, Safety and Welfare



Day 1: Tuesday, May 18<sup>th</sup>  
11:30 AM – 12:30 PM

Keynote Sponsored By: **Strada**

## Keynote Address: Diversity by Design **Curtis J. Moody, FAIA, NOMA, NCARB, LEED AP**

**Founder / Chairman of the Board**

**Moody Nolan**

1 LU



Award-winning architectural designer, Curtis J. Moody, FAIA, has had a prosperous 48-year career. Moody Nolan is the largest African American architectural firm in the country and the firm's designs have received more than 330 awards, more than any other minority architectural firm in the United States.

While founding his firm in 1982, Curtis J. Moody, FAIA decided to build it on a foundation of diversity of thought. Curtis has continuously challenged what once was the status quo and has created a corporate environment that is both inclusive and equitable. This allows the profession to have a full range of creative impact from all employees—no matter their ethnicity or gender. Moody Nolan has grown to over 230 employees and 11 offices across the nation. The firm's designs have won more than 330 design citations, including 49 from the American Institute of Architects (AIA) and 45 the National Organization of Minority Architects (NOMA).

Curtis gained personal recognition with the prestigious Whitney M. Young Jr. award as an outstanding African American Architect in the United States in 1992. In 2002, Moody received the Distinguished Service Award from The Ohio State University. And in 2007, he received the AIA Ohio Gold Medal Award just one year after Moody Nolan received the AIA Ohio Gold Medal Firm of the Year Award, making Moody Nolan the only firm to win this desirable award consecutively.

Moody Nolan continues to garner national attention by promoting “diversity by design” and was selected as the 2021 AIA National Architecture Firm Award recipient, the highest firm honor achieved through the American Institute of Architects. Moody Nolan is not only the first Ohio-based firm to win this award, but the first African American owned firm to receive the recognition.

Curtis received his Bachelor of Science, Architecture from The Ohio State University in 1973, and in 2002, the University presented him with the Distinguished Service Award, being one of only three recipients that year. Following his undergraduate work at OSU, he went on to study Urban School Planning & Design at Harvard Graduate School of Design in 2000.



Day 1: Tuesday, May 18<sup>th</sup>

Session 1: 12:45 PM – 1:45 PM

## Radical Technology in the age of COVID-19; affected Residential & Commercial Indoor Air-Quality

**Hours** 1 HSW LU

**Presenters** Dan Briggs (Genesis Indoor Air Quality Solutions)  
Mike Blobner (Stephany Associates)  
Ryan Jordan (Stephany Associates)

**Course Description** This presentation will focus on the use of various emerging technologies that improve residential and commercial indoor air quality. In this session, we will examine four primary new technologies:

- 1) Photohydro
- 2) Various Ion producing methods
- 3) Dry Hydrogen
- 4) Photo Catalyst

These technologies operate using an oxidation-reduction reaction.

**Track Designation** ● B(uilding Science)



Day 1: Tuesday, May 18<sup>th</sup>

Session 2: 2:00 PM – 3:00 PM

## Design Excellence Requires Understanding of Construction Phase Risks

**Hours** 1 LU

**Presenters** Michael Cremonese (Burke Cromer Cremonese)  
Paula Selvaggio (Oswald Companies)  
Nicole Mangino (AXA XL)  
Anne Chen, AIA (GBBN Architects)

**Course Description** Design excellence requires understanding and consideration of the risks attendant to the construction phase. This session will explain the risks arising from Contract Administration services and the construction phase of Projects. The session will discuss Contract Administration services, including delegated design/design assist; shop drawing review; communications with project participants and RFI responses; site visit obligations; and determining whether the work conforms to design intent. The session will also highlight the importance of understanding how the construction phase and risks is instrumental for design excellence.

**Track Designation** ● D(esign), ● P(ractice)



Day 1: Tuesday, May 18<sup>th</sup>  
Session 3: 3:15 PM – 4:15 PM

## How to Make the Most of Energy Modeling from SD Through Post-Occupancy

**Hours** 1 HSW LU

**Presenters** Joe Hofstetter, PE, CEM, LEED AP (Karpinski Engineering)  
Mattie DeDoes (Karpinski Engineering)

**Course Description** During the design process, energy modeling is often an under-utilized tool – even when it’s a required component of the project. Yet it can amplify a design team’s and an owner’s ability to achieve their project vision. In this course, we’ll explore how design teams can use energy modeling to its greatest potential, maximizing its impact for the project and owner. We’ll discuss how energy modeling helps teams achieve key project outcomes like design optimization, improved environmental impact, LEED certification, and energy and money savings.

We’ll look at the questions that energy modeling helps teams answer at every stage of a project, discussing specific goals, variables, and key performance indicators. We’ll also talk about different energy modeling tools and the right timing for using them, so teams can make the biggest impact at the lowest cost. The presentation is loosely organized around the 11 modeling cycles described in ASHRAE 209-2018: Energy Simulation Aided Design.

**Track Designation** ● D(esign), ● B(uilding Science)



Day 1: Tuesday, May 18<sup>th</sup>

Session 4: 4:30 PM – 5:30 PM

## Work Better: Go Back To A Better Experience

**Hours** 1 HSW LU

**Presenters** Dr. Tracy Brower, PhD, MM, MCR.w (Steelcase)  
Roberto Ancona (Steelcase)  
Steve Stefancin (Steelcase)

**Course Description** The COVID-19 crisis changed life and work as we know it. Economies shifted and entire industries have had to navigate rapid change and uncertainty. Leaders everywhere are continuing to make big decisions on where and how to work, and what returning to the workplace may look like. Some companies are curious about how the workplace will change as a result, some are eager to take action, and many are hesitating. Regardless of their approach, each of these companies represents an opportunity. Customers need guidance and are asking for help. This session will focus primarily on creating a work environment that employees want to return to and how using post-COVID workplace research can help guide the return-to-office strategy.

**Track Designation** ● D(esign), ● L(eadership)



Day 2: Wednesday, May 19<sup>th</sup>:  
Session 5: Noon – 1:00 PM

## Equity Conversation with City Departments

**Hours** 1 LU

**Presenters** Andrew Dash (City of Pittsburgh Planning Department)  
Sarah Kinter (City of Pittsburgh, Department of Permits, Licenses, & Inspections)  
David Green (City of Pittsburgh, Department of Permits, Licenses, & Inspections)  
Karina Ricks (City of Pittsburgh Department of Mobility & Infrastructure)  
Kim Lucas (City of Pittsburgh Department of Mobility & Infrastructure)

**Course Description** Join members of the City of Pittsburgh's departments of City Planning, PLI and Mobility and Infrastructure to learn more about the city's research and activities to provide greater equity in its permitting and licensing processes, development of infrastructure and comprehensive land use planning effort for future growth in the city.

**Track Designation** ● P(ractice), ● L(eadership)



Day 2: Wednesday, May 19<sup>th</sup>:  
Session 6: 1:15 PM – 2:15 PM

## Biomimicry In Architecture

**Hours** 1 HSW LU

**Presenters** Beatrice Spolidoro, AIA, WELL AP (Fisher ARCHitecture)

**Course Description** Biomimicry (or Biomimetics) is a science that studies nature’s models and takes inspiration from it to solve human problems. Rather than merely copying how nature looks, the focus is on how nature solves problems. Since the dawn of the industrial Revolution, manufacturers have been building things by a process that is now known as “heat, beat, and treat.” The top biologists, engineers and scientists promoting biomimicry find fascinating how nature can do wonders at room temperature, with regular pressure, and by using only the energy of the sun. The field of architecture has seen a lot biomimicry-inspired solutions. After giving a basic overview of the main subject, this class will review the most progressive design solutions built to date. We will review also the status of the current research.

**Track Designation** ● D(esign), ● B(uilding Science)



Day 2: Wednesday, May 19<sup>th</sup>:  
Session 7: 2:30 PM – 3:30 PM

## Modern Documentation Technologies: A Guide for Design Professionals

**Hours** 1 LU

**Presenters** John M. Evans, AIA (LGA Partners)  
Peter Aaslestad (Aaslestad Preservation Consulting)  
Shaun F. Higgins, PLS (Langan)  
Matthew Sipple, PLS (Langan)

**Course Description** The technology available for documenting existing buildings and sites continues to evolve at a rapid pace. Tools such as laser-scanning, photogrammetry, 3d cameras, and UAV's ("drones") were once incredibly specialized and used mainly by dedicated professionals. Today, point clouds can be created with free photogrammetry software on a smart phone, and 3d cameras are easily available on the consumer market. Architects, engineers and other design professionals, particularly those who work with historic buildings, are faced with an increased range of choices for documenting existing structures. The increased availability of documentation technologies has only made these choices more difficult. This presentation will focus on how design professionals, in particular preservation architects and engineers, can make informed choices on the best documentation technology for a specific project. It will address big-picture concerns such as when to complete documentation in-house, or hire a specialized consultant. It will also look at how the comparison and selection of a documentation technology can impact the success of a project (in the design and its profitability).

**Track Designation** ● D(esign)



Day 2: Wednesday, May 19<sup>th</sup>:  
Session 8: 3:45 PM – 4:45 PM

## Decarbonization: Understanding Operational and Embodied Carbon

**Hours** 1 HSW LU

**Presenters** Aurora Jensen (Buro Happold)  
Isaac Smith (Buro Happold)  
Julia Wattick (Branch Pattern)  
Dannie Dilonno (Branch Pattern)

**Course Description** Building operations account for 28% of global carbon dioxide emissions. In order to reduce this number, the AEC industry has focused on more efficient, sustainable building design strategies. However, an additional 11% of global carbon dioxide emissions come directly from building materials and construction. Through its material production and use, the industrial sector accounts for even more of total emissions. As the urgency around climate action grows, grappling with embodied carbon over the coming decades, through a lens of upfront-embodied carbon, favors renovation and retrofit projects and a rethinking of our approach to materials. Blending reduction strategies, life cycle assessment fundamentals, workflows and project case studies, this session aims to better inform and equip the community as we find paths to net zero.

**Track Designation** ● B(uilding Science)



Day 2: Wednesday, May 19<sup>th</sup>:  
Session 9: 5:00 PM – 6:00 PM

## Dark Skies – More Than Just Romance – Light Pollution, Urban, Environmental, and Design Issues

**Hours** 1 HSW LU

**Presenters** Stephen Quick, FAIA (Remaking Cities Institute, Carnegie Mellon University, and Civic Design and Planning LLC)  
Grant Ervin (City of Pittsburgh Department of City Planning & AIA Pittsburgh Board of Director)

**Course Description** Nighttime lighting has played an important role in placemaking and celebration, and lighting now symbolizes vibrancy of the city at night, epitomized in the 24-hour city. The amount of outdoor lighting has significantly increased faster than our rate of urbanization. Lighting has also come to imply safety and we now light our urban settings to emulate daylight with the belief that more lighting makes us see better. There is another side to lighting that we are beginning to understand as light pollution. This hidden form of environmental and quality of life pollution has become one of the more important ambient stressors of life. The more we learn about light pollution, the more we should become seriously concerned. This session will provide architects, engineers and designers with a comprehensive overview of outdoor nighttime lighting from how we see best during the night to the causes of light pollution and the environmental, healthcare, and ecosystems disruption it creates. Nighttime lighting is also a social and economic issue for Pittsburgh as it is for almost every city. Creating equitable lighting, when there is both too much and not enough, while stressed financially is a task facing our cities, yet over \$6 billion of energy is wasted yearly across the U.S. due to unwanted lighting. As Pittsburgh is about to embark on a streetlight relamping program to convert all streetlights to LEDs, this session will bring you up to date with recent research from Carnegie Mellon and introduce the design community to the nighttime lighting initiatives underway in the City.

**Track Designation** ● D(esign)



Day 3: Thursday, May 20<sup>th</sup>:  
Session 10: Noon – 1:00 PM

## Bringing It Home: Insights from the National Intercultural Leadership Program (NILP) to Inspire a More Equitable Architecture Community in Pittsburgh

**Hours** 1 HSW LU

**Presenters** Joe Bevins, RA, LEED Green Associate, GGP (Strada)  
Monica Blasko, AIA (Mary Barenfeld Architecture)  
Nickie Cheung, Assoc. AIA (Rothschild Doyno Collaborative)  
Elysia Mikkelsen, AIA, LEED AP BD+C (Crabtree, Rohrbaugh & Associates Architects)  
Emily Pierson-Brown, AIA, AICP, LEED Green Associate (Perkins Eastman)

**Course Description** This interactive session will provide an overview of the National Intercultural Leadership Program (NILP) hosted by AIA Minnesota in the fall of 2020. The presenters, five participants in the program, will relate their experiences on how and why to bring a diversity, equity, and inclusivity lens to our architectural practices. The session will provide hands-on opportunities to engage with these concepts and provide some tangible take-aways for how to incorporate these ideas into our workplace and team strategies

**Track Designation** ● Leadership



Day 3: Thursday, May 20<sup>th</sup>:  
Session 11: 1:15 PM – 2:15 PM

### Small Town EnerPHit: The Wilds

**Hours** 1 HSW LU

**Presenters** Gary Moshier, AIA (Moshier Studio)  
Norm Horn (Envinity)  
Joel Morrison (WPPSEF/63 Fraley St. LLC)  
Brandy Schimp (Borough of Kane)

**Course Description** What happens when a Foundation that normally provides grants and loans for energy efficient projects buys a 130-year-old vacant Moose Lodge in Kane PA, a small town with a big heart in the middle of the Pennsylvania Wilds? They turn it into an economic engine for the community that not only serves as an example of how to renovate to the Passive House EnerPHit standard, but also commit to training local professionals and tradespeople and using local products. Oh, by the way, they do it during a global pandemic. The West Penn Power Sustainable Energy Fund is a nonprofit organization that was founded to promote the deployment of sustainable energy technologies that benefit West Penn Power ratepayers in Pennsylvania. Design of The Wilds, a nod to the name of the 9-county region in North Central Pennsylvania that is the heart of Penn's Woods, began in late 2019. Just as the Design team was attempting to move from Design Development to Construction Documents, the COVID-19 shutdown started. We would like to share the ongoing story of how a great team came together to beat the odds and deliver on a project that is Passive House for all.

**Track Designation** ● B(uilding Science)



Day 3: Thursday, May 20<sup>th</sup>:  
Session 12: 2:30 PM – 3:30 PM

### Pennsylvania's Climate Action Plan - What it Means for Architects

<b>Hours</b>	1 HSW LU
<b>Presenters</b>	Marc Mondor, AIA, LEED Fellow, WELL AP (evolveEA & Vice Chair of the PA Climate Change Advisory Committee & 2020 AIA PA President)
<b>Course Description</b>	<p>Pennsylvania's Climate Action Plan is a triennial document, required by PA state law. The 2021 Climate Action Plan builds from the 2018 Plan in identifying Pennsylvania's sources of carbon emissions, mitigation measures and adaptability strategies. As the built environment is responsible for a large part of PA emissions, architects have a special role to play in identifying and reducing their impact. Suggested strategies from the CAP will be discussed, including the projected emissions reductions, cost and ROI implications and, for the first time, health impacts. The generation and use of energy in Pennsylvania will also be discussed.</p> <p>The built environment strategies will also be placed into the context of the American Institute of Architects' national Climate Action Plan and Framework for Design Excellence. Resources from both of these progressive frameworks will be shared in order to provide applicable insights to attendees.</p>
<b>Track Designation</b>	● Leadership



Day 3: Thursday, May 20<sup>th</sup>:  
Session 13: 3:45 PM – 4:45 PM

## Leadership: Opportunities for Personal and Professional Growth

**Hours** 1 LU

**Presenters** Andrew Ahr (IKM)  
Cassandra Osterman, AIA (Perfido Weiskopf Wagstaff + Goettel & Young Architects Forum Chair)

**Course Description** Design leadership opportunities advance personal and professional development. These include design competitions, charettes, workshops, or other pathways. In this session, you will discover how these opportunities can enhance the design leadership skills within yourself, your organization, and your community. A distinguished panel will help you navigate the motivation, mindset, and momentum to:

- Participate in design opportunities
- Create your own design opportunities
- Generate new time management habits
- Market design opportunities in your portfolio
- Grow your creativity, knowledge, and experience
- Guide your organization or community design culture
- Apply design leadership strategies throughout your team

**Track Designation** ● Leadership