



Action Now: Accelerating Pathways to Decarbonization

Tuesday, April 21, 2020 | Zoom Webinars (Live) Pacific Time

** all sessions/speakers subject to change*

APRIL 21, 2020 LIVE WEBINARS | PROGRAM SCHEDULE + SPEAKER BIOS

8:30 – 10:30 AM PT

POWER SWITCH: EQUITY, POLICY & PRACTICE

Keynote Presentations + Discussion

2 AIA LU HSW

Sudha Nandagopal | CEO, Social Venture Partners International
Panama Bartholomy | Director, Building Decarbonization Coalition
Vincent Martinez | COO, Architecture 2030

11:00 AM – 12:30 PT

EMBODIED CARBON: THE NEW FRONTIER

Presentations + Discussion

1.5 AIA LU HSW

Moderator: Kate Simonen, AIA, SE | Founding Director, Carbon Leadership Forum
Landry Watson | Executive Director, Sustainability, Alexandria Real Estate Equities
Kjell Anderson, AIA, LEED Fellow | Director of Sustainable Design, LMN
Keith Lindemulder | Environmental Business Development Manager, Nucor Corporation
Jordan Palmeri | Environmental Scientist and Policy Advisor, Portland, Oregon

1:30 – 3:00 PM PT

ELECTRIFICATION OF BUILDINGS: DESIGN FOR DECARBONIZATION

Panel Discussion + Case Studies by Weber Thompson and Mithun

1.5 AIA LU HSW

Moderator: Amarpreet Sethi | Principal, Tklsc Engineers
Jonathan Heller, PE | President, Ecotope
Chris Hellstern, AIA, LFA, LEED AP BD+C, CDT | Living Building Challenge Services Director, The Miller Hull Partnership
David Logsdon | Director Electrification & Strategic Technology, Seattle City Light
Emily Doe, AIA, CPHC, LEED AP | Senior Associate, Weber Thompson
Hilary Noll, AIA, LEED AP BD+C, Fitwel Ambassador | Senior Associate, Sustainability Integration Leader, Mithun

3:30 – 5:00 PM PT

RETROFITTING: WHAT ABOUT *EXISTING* BUILDING STOCK?

Presentations + Discussion

1.5 AIA LU HSW

Moderator: Tom Marseille | Managing Principal, Integral Group
Christopher Meek, FAIA, IES | Associate Professor and Director, Integrated Design Lab, University of Washington
Sandra Mallory | Sustainable Building Program Manager, Office of Sustainability & Environment, City of Seattle
Emily Salzberg | Managing Director, Washington State Department of Commerce.
Jordan Selig | Executive Vice President, Martin Selig Real Estate

KEYNOTE PRESENTERS



Sudha Nandagopal, CEO, Social Venture Partners International | Sudha Nandagopal is connector, organizer, network facilitator, strategist, and movement builder focused on democratizing systems of power and shifting power outward to those most affected by injustice. Sudha has worked in and with government, labor, national and international organizations, and serves as a consultant on racial equity and organizational strategy to foundations, campaigns, and other agencies. Most recently, she co-created and led the first-of-its kind City of Seattle's Equity & Environment Initiative. Sudha joined SVP International as CEO in February 2019.



Panama Bartholomy, Director, Building Decarbonization Coalition | Panama Bartholomy is the Director of the Building Decarbonization Coalition, a multi-sector forum advocating for and creating solutions for our pollution-intensive building stock. He has worked on climate solutions in over 30-countries, presented at and collaborated on products from the United Nations, the International Energy Agency and the European Commission. Panama has served as Deputy Director of the California Energy Commission's Efficiency and Renewables Division and advisor for Chairwomen Douglas and Pfannenstiel. He has worked for the California Conservation Corps on vocational environmental education and ran the Sustainable Schools program for the Division of the State Architect.



Vincent Martinez, Chief Operating Officer, Architecture 2030 | Vincent Martinez is Chief Operating Officer of Architecture 2030, where he has developed robust networks focused on private sector commitments, education and training. Vincent executes Architecture 2030's goals by coordinating their exceptional staff on strategic, impactful projects and programs. He also helps set the organization's vision and currently leads Architecture 2030's work on urban zero-net-carbon buildings, including the ZERO Code, Achieving Zero framework, and Zero Cities Project with 11 leading US cities.

EMBODIED CARBON | PANELISTS + PRESENTERS



Kate Simonen AIA, SE is founding director of the Carbon Leadership Forum (CLF). A convener, author and teacher, Kate authored the Life Cycle Assessment pocket handbook and the LCA Practice Guide and is co-chair of the Embodied Carbon Network – a global, open-access communications and action network. She has recently accepted the position of chair of the Department of Architecture and will start her role in Fall 2020.



Landry Watson is the Executive Director for Sustainability for Alexandria Real Estate Equities, Inc. Landry brings 13 years of experience to his role in Alexandria's sustainability program, which includes driving resource and operating efficiency into building operations; achieving high levels of LEED certification on all new ground-up construction projects; promoting the health, well-being, and productivity of its employees, tenants, and partners; identifying, managing, and mitigating the potential impacts of climate change on the Alexandria portfolio; and reporting the company's ESG policies, practices, and performance. Specifically, his focus is disciplined on deep green and Zero Energy and Carbon projects throughout the Alexandria portfolio and helped author the ASHRAE Advanced Energy Design Guide for Zero Energy in commercial buildings. Landry earned his BA from Texas A&M University in Construction Science and served in the United States Navy. He is a LEED Accredited Professional in Building Design and Construction and a fitwel Ambassador.



Kjell Anderson, AIA, LEED Fellow, practices architecture and serves as a Principal and the Director of Sustainable Design at LMN Architects, AIA Firm Award winner in 2016. He brings a pragmatic perspective from designing and detailing buildings over two decades. He wrote the first architect-centered book on energy modeling and has spoken extensively, including the keynote address at the 2016 Simbuild conference. Active in all levels of code review and development, he serves on the Washington State Building Code Council and the AIA National Energy Leadership Group as well as the AIA Washington Carbon Committee. He believes architects are natural leaders and coordinators of the built environment, but need to drastically step up our efforts, taking ownership of our carbon emissions embodied in building materials, from our design's operational energy use, refrigerants, renovations, site design, and more.



Jordan Palmeri is a Senior Policy Analyst in the Materials Management Program at the Oregon Department of Environmental Quality, where he coordinates projects around the built environment, life cycle assessments, and purchasing. Jordan's been with Oregon DEQ for 14 years. His early work focused on environmental site cleanup, improving water quality, and reducing toxics in waterbodies. He then shifted to reducing the lifecycle impacts materials and products with a particular focus on building materials. He's worked on building and zoning codes, and served as a technical and policy expert for small housing initiatives. He's advised local, regional, and global green building rating systems and leads a program to help Oregon concrete producers develop Environmental Product Declarations (EPDs). Jordan holds a MS in Environmental Science from Tulane University.

ELECTRIFICATION | PANELISTS + PRESENTERS



Amarpreet Sethi is a Principal at the Seattle office and leads the High-Performance Design and Sustainability practice for tkls engineering, a west coast Engineering firm. Amarpreet combines her knowledge of climate responsive design, building envelope, visual and thermal comfort, indoor air quality and high performing HVAC systems to give clients a clear understanding of the impact of design strategies and innovative solutions on building performance and user experience. Her passion for Architecture, building science and engineering enable her to assist integrated design teams to deliver holistic high-performing buildings in multiple market sectors. Amarpreet is a published author in journals like ASHRAE, CSE, Daily Journal of Commerce and Workplace Design magazine. She has been performing energy modeling and building performance analysis for the last 18 years. Her work has impacted numerous clients who strive to enhance user experience and environmental stewardship through implementation of passive design and high performing systems.



Jonathan Heller, PE – “Our engineering team is applying what Ecotope is learning on the research side; bringing that emerging understanding to actual real-world projects.” Jonathan has over 30 years of experience providing design, research, and consulting on energy and resource efficiency in the built environment. His research has provided the technical basis for the development of regional energy codes and energy conservation programs. He provides consulting services to local developers, architects, universities, and housing authorities, as well as regional utilities and municipalities. Jon's mechanical engineering design work has focused on integration of emerging energy efficient technologies in highly efficient commercial buildings, multifamily, and small residential projects with an explicit focus on energy efficient construction.



Chris Hellstern, AIA, LFA, LEED AP BD+C, CDT is the Living Building Challenge Services Director, architect and author with The Miller Hull Partnership in Seattle with a variety of project experience including two certified Living Buildings and several more currently in design and construction. His book, *Living Building Education*, chronicles the story behind his first Living Building, the Bertschi School. Chris founded the Seattle 2030 Roundtable and co-founded the Healthy Materials Collaborative. A Living Future Accredited professional and a Living Building Challenge Hero, Chris is a university guest lecturer and speaker at numerous conferences across the country. He publishes articles and volunteers with local school groups mentoring students about sustainable practices and advocacy. As an Affiliate Instructor with the University of Washington, Chris teaches a graduate sustainability course for the College of Built Environments.



David Logsdon is Seattle City Light's Director of Electrification and Strategic Technology. In this role David works with City leaders to achieve the strategic intent of deep decarbonization through electrification, leading the development and implementation of a portfolio of electrification projects, programs, and partnerships. This includes the implementation of leading-edge technologies and projects including Grid Modernization and emerging technology pilots as key components of Seattle City Light's objective to promote and facilitate electrification. Prior to joining City Light, David worked at the Consolidated Edison Company ("Con Edison") of New York. Prior to that, he also served as Section Manager of Product and Service Development, overseeing energy efficiency portfolio strategy, the development and deployment of IT and analytics platforms to improve and automate processes, and the development, testing, and scaling of emerging technology and distributed energy resource pilot programs that provided customers with pioneering new delivery channels and program designs. David holds a M.S. in Sustainability Management from Columbia University, and a B.A. from Texas A&M. He is also a certified Project Management Professional (PMP).



Emily Doe, AIA, CPHC, LEED AP is a licensed architect who specializes in complex multifamily and mixed-use projects. As a Certified Passive House Consultant (CPHC) and project manager for Solis, she leads the technical development of Seattle's largest multifamily passive house project. Emily is a long-standing member of Weber Thompson's Sustainability team, a group that spearheads the firm's research on sustainable and energy-efficient design. Outside of project work, Emily co-chairs the AIA Seattle Women in Design committee where she facilitates events and industry dialogue on fostering an inclusive workplace culture. She earned her Master of Architecture from the University of Washington and has a Bachelor of Arts in Studio Art from Whitman College.



Hilary Noll is an architect specialized in sustainability, combining ecological design with building performance and social equity. As a Senior Associate and Sustainability Integration Leader at Mithun, she works on a range of projects including affordable housing, resiliency planning and regenerative, carbon-neutral projects. A background in environmental science and community organizing informs her design approach of working with local stakeholders in a participatory process to achieve place based bioregional solutions. Hilary is a LEED AP BD+C, Living Building Challenge Ambassador and Fitwel Ambassador. She has been named a Udall Scholar and an Enterprise Rose Architectural Fellow. She currently serves on the Advisory Board for Fitwel and is Chair of the Bay Area Living Future Collaborative.

RETROFITTING | PANELISTS + PRESENTERS



Tom Marseille is Managing Principal Consultant at Integral Group. An award-winning engineer and industry thought leader, Tom's passion is integrated systems design and the delivery of best-in-class, performance outcomes for building owners and occupants. He brings future ready expertise to clients, including smart building consulting, clean energy strategic planning and innovative next generation district-scale approaches. Tom emphasizes sustainability on all his projects, ultimately fostering solutions that are practical, maintainable, healthy, resilient and resource-responsible. Tom is an author, frequent speaker and facilitator, and currently sits on the AIA Seattle Board of Directors. He was previously a member of the ILFI/Cascadia Board of Directors and City of Seattle Living Building Technical Advisory Group. Tom served as a moderator, presenter and content developer for the AIA+2030 Professional Series and AIA Getting to Zero Professional Series. Formerly, Tom was also a Senior Research Scientist for Pacific Northwest National Laboratories and Director of Technology and Analytic Services for Honeywell's Building Information Services business.



Christopher Meek, FAIA, IES is Associate Professor of Architecture at the University of Washington and Director of the Center for Integrated Design and the Integrated Design Lab (UW IDL) at the University's College of Built Environments. His research focuses on the integration of natural systems in building design to improve indoor environmental quality and building energy efficiency. Prof. Meek is nationally recognized in the area of daylighting, integrated lighting design, and building energy performance research. Over the past decade, Recently, Prof. Meek has been working with the City of Seattle Office of Sustainability and Environment on the decarbonization of existing buildings as part of the Seattle Building

Tune-Up Accelerator program. His research has been funded by the Northwest Energy Efficiency Alliance, the National Science Foundation, the US Department of Energy, the Illuminating Engineering Society, the Bullitt Foundation, and the American Institute of Architects. Prof. Meek teaches graduate and undergraduate level courses on building design and technology at the UW Department of Architecture. He is co-author of *Daylighting Design in the Pacific Northwest* and *Daylighting and Integrated Lighting Design*.



– in an interdisciplinary Sustainable Systems program. Sandra is a registered architect in the State of Washington and a LEED Accredited Professional.

Sandra Mallory is the Buildings & Energy Program Manager in the Seattle Office of Sustainability and Environment. She leads the buildings team to develop the programs and policies that will transition Seattle's building sector to a net-zero carbon future. She developed the buildings priority actions for Seattle's 2018 Climate Action Strategy and is managing their implementation. Additional key initiatives include development of the recently adopted building tune-up mandate and the Resource Conservation Management program for City-owned buildings. She is the Principal Investigator for the City's Tune-Up Accelerator Program, a Department of Energy funded initiative to assist owners of small to medium sized buildings comply with the mandate. Before joining the City, Sandra both practiced architecture – with Environmental Works, where she focused on greening affordable housing – and taught Sustainable Design



Emily Salzberg is the Managing Director for the Building Standards and Performance Unit at the Washington State Department of Commerce where she currently oversees administration of Washington State's Clean Buildings Law. Emily has over 15 years of experience administering, evaluating, and providing technical assistance for energy efficiency programs in the Northwest. Her experience includes low-income weatherization, community-based efficiency programs, technology research, market development and energy code implementation.



Jordan Selig has been interested in commercial real estate for as long as she can remember. As Martin Selig's youngest daughter, Jordan grew up in the office. After graduating from Columbia University, where she studied environmental policy, Selig started to see how her passion for sustainability could play an important role in the future of commercial real estate. Selig started her career in Berlin, Germany, where she put her studies into action by ecologically renovating pre-war buildings across the city. In 2013, she returned to Seattle as MSRE's Executive Vice President. She has since been a key player in shaping the future of the company her father built from the ground up. Jordan's goals for MSRE moving forward include bringing all of the projects they have in the pipeline now into reality. She is also a Board Member of the Seattle 2030 District, an organization that aims to dramatically reduce environmental impacts of building construction and operations through education and collaboration across every sector of the built environment. In the future, Jordan plans to uphold the values upon which MSRE was built, by providing their clients with top notch customer service and cultivating strong relationships with tenants.