

## Health, Wellness and People

Explore strategies and best practices for how green buildings can prioritize and create spaces that improve the living standard for all.

### **Tuesday, November 19 (Global Health and Wellness Summit)**

The Global Health & Wellness Summit brings together employers, building owners, designers, developers, manufacturers, employees and investors who are unlocking enormous benefits and potential in their buildings by committing to green, healthy buildings.

#### CSOK – Summits Combined Opening Keynote

8:30 – 9:30 a.m.

- This is the combined opening keynote for the Global Health and Wellness Summit and Resilience Summit.
- Presenters: To be announced closer to the conference

#### GHW01 – Green Building and Human Health

10 – 11 a.m.

- Over the past few years, new health promotion tools and associated research have allowed the green building movement to become more intentional and targeted in its efforts to consider human health and well-being. This session places recent action and engagement around health into the larger green building context and discusses the ability to position health as a lens through which all building design and operation decisions are made.
- Presenters: Kelly Worden, Director of Health Research, USGBC; Matthew Trowbridge, Associate Professor, University of Virginia School of Medicine; Chris Pyke, Senior Vice President of Product, Arc Skoru Inc.

#### GHW02 – The Future of Sustainable, Health Buildings: LEED v4.1 + WELL

11:15 a.m. – 12:15 p.m.

- This session explores the future of sustainable, healthy buildings including a look at the streamlined approach to materials taken in LEED v4.1 and strategies to promote mental health found in the WELL Mind Concept.
- Presenters: To be announced closer to the conference

#### GHW03 – Global Health & Wellness Summit Luncheon

12:30 – 1:45 p.m.

- There is overwhelming evidence that our buildings impact the health and well-being of building occupants, surrounding communities and global populations. The Luncheon will feature an inspiring keynote bringing real life examples and insights on how the industry can prioritize spaces that improve human health and well-being.
- Presenters: Speakers will be announced closer to the conference.

#### GHW04 – Building and Community Action for City Level Impact

2 – 3 p.m.

- Practitioners working at the building scale will be more effective in promoting population health and equity if they understand how their building fits into the larger community



context. This session will explore how green building practitioners, communities and cities can work together to take coordinated action to promote public health and social equity.

- Presenters: To be announced closer to the conference

#### [GHW05](#) – The Financial Case for Healthy, High Performance Buildings

3:15 – 4:15 p.m.

- Experts share a global view of and actionable insights for the next wave of sustainability: a macro-look at the state of wellness in the built environment, new quantitative research on the business case for human-centric design, and leading project case studies of innovative next-gen buildings with significant demonstrated financial returns.
- Presenters: Sara Neff, Senior Vice President of Sustainability, Kilroy Realty Corporation; Kay Sargent, Senior Principal and Director of WorkPlace, HOK; Kevin Bates, President, Sharp Development Company

#### [CSCK](#) – Summits Combined Closing Keynote

4:30 – 5:00 p.m.

- This is the combined closing keynote for the Global Health and Wellness Summit and Resilience Summit.
- Presenters: To be announced closer to the conference

### **Wednesday, November 20**

#### [EL15](#) – UL Presents: The Health & Wellness Lottery – How Green Buildings Helps You Hit the Jackpot in Human Health

10:30 – 11:30 a.m.

- Green building rating systems are known to address concerns about resource use. However, increasingly they are addressing human health and wellness concerns. Experts on procurement and green building rating systems will “draw” by lottery a product type, criteria, and rating system and discuss the latest challenges and how product selection impacts occupant health and wellness.
- Presenters: To be announced closer to the conference

#### [A01](#) – Empathic Architecture and the Nervous System

11:15 a.m. – 12:15 p.m.

- Chronic stress can change the structure of the brain and have long-lasting negative effects. This session provides a holistic view of the research that, when evaluated collectively, suggests that the built environment can amplify or defuse the effects of chronic stress. The specific aspects of architecture that impact our physiological and psychological response indicate that buildings which correctly utilize these features will confer measurable benefit to users and passersby.
- Presenters: Elizabeth McNicholas, Principal, McNicholas Architects; Matt McNicholas, Principal at McNicholas Architects

#### [A04](#) – Micro-Habitats: Learning from Birds, Bats, and Bees

11:15 a.m. – 12:15 p.m.

- The session will begin by explaining the need for nature infused interventions in urban environments in order to improve health and wellness. Using several NYC projects that showcase rooftop apiaries, wildlife habitats, and urban agriculture, a diverse group of



young designers discuss how their sustainable passion projects become a touchstone for future development.

- Presenters: Erin McLaughlin, Architectural Designer, COOKFOX Architects; Spencer Lapp, Associate, COOKFOX Architects; Jonce Walker, Senior Associate, Thornton Tomasetti

**B01** – Health and Happy – A World Tour of Buildings and Their Users

2:30 – 3:30 p.m.

- With the increasing focus on health and a shift towards greater awareness of social sustainability, how do property owners, managers and developers respond to new client demands? Together four presenters will provide a comprehensive picture of how the health and well-being trend is being addressed around the world, through different approaches and occupancies.
- Presenters: Tina Lindh, Real Estate Developer, Kungsleden AB; Philippe Bernier, Vice President Innovation & Sustainability, Triovest Realty Advisors Inc.; Jonathan Flaherty, Senior Director, Tishman Speyer; Jane Wakiwaka, Head of Sustainability (Real Estate), The Crown Estate

**C01** – Applications of Fractal Patters for Green Building Wellness

4 – 5 p.m.

- In this session, the implications of the WELL v1 Building Standard and LEED v4 BD+C & ID+C rating systems will be discussed, specifically the requirements relating to the design of daylighting and interior quality views. For biophilic design, this session will highlight the importance of incorporating nature-based geometry (fractals) in interior spaces to improve occupants' satisfaction.
- Presenters: Belal Abboushi, Assistant Professor, Marywood University; Ihab Elzeyadi, Professor of Architecture & Director of HiPE Lab, University of Oregon; Margaret Sereno, Associate Professor, University of Oregon

**Thursday, November 21**

**EL47** – Tarkett Presents: How Healthy Buildings Enhance Occupants' Well-being

10:15 -11:15 a.m.

- This interactive and inspiring discussion will benefit green building practitioners looking to improve health of occupants and building product manufacturers pursuing third-party certifications. The session will present real world examples of the built environment's role in ensuring a healthy and sustainable future. Participants will gain a deeper understanding of the available product certifications on the market and how these integrate with green building rating systems.
- Presenters: To be announced closer to the conference

**D01** – Building Equity: Advancing Social Inclusion through WELL

11:15 a.m. – 12:15 p.m.

- Discuss how health research translates into equity outcomes through WELL and share examples from projects that have implemented strategies across the four WELL concepts to support social inclusion. Participants will leave the session with practical knowledge of WELL scorecard development and how WELL can be utilized by diverse projects and organizations to advance holistic social equity and inclusion.
- Presenters: Victoria Lanteigne, Director of Strategic Partnerships at FOX Architects; Rose Winer, Director & Community Concept Lead, International WELL Building



Institute; Susan Chung, Director of Research & Knowledge Management, American Society of Interior Designers

[D08](#) – Designing for Dignity: Serving through Sustainable Design

11:15 a.m. – 12:15 p.m.

- Explore examples of Designing for Dignity strategies from LEED, SITES, and WELL used in the design and construction of an assisted living facility. Learn about design strategies that help promote occupant and community dignity by implementing human health and wellness credits of LEED, SITES, and WELL.
- Presenters: Lisa Lettieri, Architect at Rust, Orling Architecture; Gabriella Henkels, Sustainability Project Manager, Vanderweil Engineers; Alana Spencer, Sustainability and CSR Leader, Vanderweil Engineers

[EL55](#) – UL Presents: A Panel Discussion: Stakeholder Collaboration for Better IAQ and the Role of Low-Emitting Products

12:30 – 1:30 p.m.

- Achieving good indoor air quality (IAQ) is critical to green building and preserving the health and comfort of building occupants. This session combines panelists representing different roles in the creation of good IAQ and will discuss tackling the role of low-emitting products in good IAQ, the value and tactics for developing an IAQ management plan for the life of the building, and best practices and benefits from different stakeholders' perspectives.
- Presenters: To be announced closer to the conference

[EL56](#) – Interface Presents: Climate Change's Impact on Human Health

12:30 – 1:30 p.m.

- This session will highlight the vast effects of climate change on health, highlighting the risks to community health and economic costs caused by carbon emissions released into the atmosphere. Additionally, it will explore climate solutions that both improve the health of people and the planet.
- Presenters: To be announced closer to the conference

[E01](#) – Acoustical Criteria in LEED and WELL

1:30 – 2:30 p.m.

- Acoustics has been incorporated into several building rating systems for sustainability and health, perhaps most notably into LEED and WELL. The session will review the “ABC’s” of architectural acoustics, demonstrate how to apply those principles to the requirements of several WELL and LEED rating systems and review case studies to apply theory into practice.
- Presenters: Kristen Murphy, Senior Consultant, Acentech

[E09](#) – Leading with Equity: Working Toward Inclusive Sustainability

1:30 – 2:30 p.m.

- This session will guide participants to think critically about how sustainability can advance (or hinder) equity and human health. Speakers representing city government, utilities, and the private market will share insights from sustainability work that prioritizes disenfranchised groups.
- Presenters: Rodrigo Leal, Senior Consultant, Sustainability Solutions, Navigant Consulting Inc.; Eloisa Portillo-Morales, City Strategist, NRDC; Carlo Gavina, Portfolio



Planning and Optimization Lead, Southern California Gas Company; Karyn Sper, Director of Multifamily Green and Health Housing, Financing Business, Fannie Mae

**F01** – Leadership in Green Building for Public Health

3 – 4 p.m.

- Building for health, well-being, and human performance has entered the mainstream of the green building movement. This session describes an integrated, health-centric approach to green building that allows practitioners to prioritize health goals alongside traditional sustainability goals. This health promotion process is designed to work within LEED to guide and provide third-party recognition for projects taking intentional and direct action to address specific public health challenges.
- Presenters: Kelly Worden, Director of Health Research, USGBC; Hilary Noll, Associate Sustainability Integration Leader, Mithun; Andrew Swiatocha, Manager of Facility Planning & Design, District of Columbia Public Schools; Matthew Trowbridge, Associate Professor, University of Virginia School of Medicine

**F06** – WhoDunIt: A Building Science Crime Mystery

3 – 4 p.m.

- Using a specific building problem, the session will guide participants through a particular methodology to interrogate symptoms, identify causes and create an action plan for remediation. This will in turn provide participants with the forward-looking skills to anticipate these types of problems during design, construction and occupation phases of a building's existence.
- Presenters: Monica Rokicki, Founder and CEO, Better Building Works

**Friday, November 22**

**G01** – The Biology, Physics and Epistemology of Wellness Design

8 – 9:30 a.m.

- HDR, Delos and the 428 Minneapolis (WELL Gold) will provide insight into how to integrate health into design by examining the biology, physics, and measured impacts of a WELL Building. Several specific examples will be based on empirical data collected by Delos / the International Well Building Institute and HDR Research.
- Presenters: Colin Rohlfing, Director of Sustainable Development, HDR; Pat Wolf, President and Owner, Commercial Real Estate Services, Inc.; Whitney Gray, Senior Vice President, Delos; Jeri Brittin, Director of Research, HDR

**G09** – Using Health Data to Inform Design Strategies

8 – 9:30 a.m.

- This interactive workshop will explore regional and local approaches to health and data-driven design processes. By highlighting key alignments of WELL and Enterprise, attendees will also be able to speak to the key similarities and differences between the programs, the value they both provide, as well as the steps needed to implement them.
- Presenters: Krista Egger, Senior Director, Enterprise Community Partners; Angela Loder, Vice President of Research, IWBI; Stephany De Scisciolo, Vice President of Knowledge, Impact and Strategy, Enterprise Community Partners.



[H01](#) – Healthy Designs for Healthy Minds

10 – 11:30 a.m.

- This interactive learning session will explore how design can proactively foster a healthy mind by encouraging inclusion, social relationships, and freedom of choice. It will include a discussion around how to put new research to work in the integrative design process and provide an overview of real-world case studies.
- Presenters: Erin Ishizaki, Partner, Mithun; Matthew Finn, Founder, Cognitive Design; Elizabeth MacPherson, Principal, Mithun

[H09](#) – Step into the Data. Envisioning New Visualization Tools

10 – 11:30 a.m.

- This discussion will center on how visualization platforms and interactive virtual environments (gaming) can be conceived and engineered to support early assurance of efficacy of high-performance strategies that the AEC industry and our communities of constituents are demanding. By rapidly and virtually visualizing positive outcomes that are possible and negative outcomes to be avoided we can embed the sustainability principals of LEED rating systems.
- Presenters: David Johnson, Principal, SERA Architects; Brian Stevens, Visualization Specialist, SERA Architects; Nicole Crone, Associate, Integral Group

[H10](#) – The College Green: Immersive Integrated Design on Campus

10 – 11:30 a.m.

- This session will start with an overview of Emory University’s regional, programmatic, and campus challenges for energy, storm water, sewage discharge, transportation, and waste, as well as its sustainability vision and aggressive goals for Health Science Research Building II, a 330k SF, \$190 mil laboratory project. Presenters will share their early dynamic modeling process and tools and show how this can be used not just for large, technically complex projects in challenging climates, but for any project trying to achieve aggressive EUI or water goals with spatial, budget, operational or other constraints.
- Presenters: Anica Landreneau, Senior Principal and Global Director of Sustainable Design, HOK; Patrick Murphy, Director of Sustainable Design, Vanderweil Engineers; Steve Seely, Campus Planner, Emory University