Structures
Cities
Systems

Building for Health & Well-Being
ABOUT THE CONFERENCE

The Alma-Ata Declaration of 1978 redefined health as not simply the absence of disease, but as a total state of physical, mental, and social well-being and as a fundamental human right. This not only ushered in a new era of disease prevention, health promotion, and medical care, but it set the stage for a closer examination of the built environment as a determinant of health and disease. Simultaneously, as the dominant ailments of the era have shifted from infectious to chronic, the role of the built environment has become more expansive and arguably more complex.

The interest in connecting the built environment and human health is not new, nor is viewing the environment as an indicator of population wellness. Hippocrates hypothesized the connection of “bad” airs and waters to illness, and Aldo Leopold used the internal systems of the human body as a model for ecosystem “land health.” While these holistic models of intertwined health and environment are more poetic hypotheses than empirical, they play a large part in framing contemporary discourse. Now armed with new technologies and methods, how can designers, planners, and public health professionals advance those theories? As public health moves toward a place-based practice, how will we design and construct those places? As we expand beyond thinking of health as a typology to a quality of space or metric of performance, how do we confront its integration into teaching and practice?

The 2016 ACSA/ASPPH Fall Conference is the first-ever joint conference between the Association of Collegiate Schools of Architecture (ACSA) and Association of Schools and Programs of Public Health (ASPPH). We will connect academics, practitioners, and policy makers who are exploring issues at the intersection of design, the built environment and public health at all scales – from materials to buildings to landscapes to urban and social systems. Through small group workshops, rapid fire presentations, and focused plenary debates, this conference will confront the constraints on and potentials for design, research, and collaboration.

For updates, changes to the schedule and conversation about the conference.

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#BUILDINGFORHEALTH
**SCHEDULE-AT-A-GLANCE**

**THURSDAY, SEPTEMBER 22**
- 12:00pm  *Registration*
- 4:00pm  *Opening Mixer*

**FRIDAY, SEPTEMBER 23**
- 9:00am  *Plenary: Building Well-Being from Academy to Practice*
- 10:30am  *Break*
- 11:00am  Session I: Well-Being in the Studio I
  - Session II: Health, Place, and Equity
- 12:30pm  *Lunch (on your own)*
- 2:30pm  Session I: Well Futures
  - Session II: Models, Methods, Metrics
- 4:00pm  *Break*
- 4:30pm  Session I: Special Settings
  - Session II: Health and Vulnerable Populations I
- 6:00pm  *Plenary Panel Keynote*

**SATURDAY, SEPTEMBER 24**
- 9:00am  *Plenary: Empiricism and Evidence*
- 10:30am  *Break*
- 11:00am  Session I: Healthy Infrastructures
  - Session II: Health and Vulnerable Populations II
- 12:30pm  *Design & Health Panel + Lunch*
- 2:00pm  Session I: Policy to Practice
  - Session II: Healthy Youth
- 3:30pm  *Break*
- 4:00pm  Session I: Well-Being in the Studio II
  - Session II: Health and the Human Scale
- 5:30pm  *Closing Plenary and Wrap-up*
Healoha Johnston is the Curator of the Arts of Hawai‘i at the Honolulu Museum of Art. Johnston holds a MA degree in Art History, and is completing a second MA degree in Pacific Island Studies, both from the University of Hawai‘i. Her areas of interest span Hawaiian Kingdom era (19th century) visual culture to contemporary art with a particular focus in the relationship between socio-political underpinnings and art in Hawai‘i from the mid-19th century to present day.

Before joining the Honolulu Museum of Art’s curatorial staff, she spent five years working at contemporary art galleries in Southern California. She worked as the gallery assistant at Luis De Jesus Los Angeles; as an art advisor at Susan Street Fine Art; and as an independent curator for the San Diego Natural History Museum. She has also applied her research skills and museum studies experience to other areas, most recently as a policy specialist for NOAA’s National Monuments Program where she assisted with the writing of Monument plans for the Marianas Trench, the Rose Atoll, and the Pacific Remote Islands marine national monuments.
FRIDAY, SEPT. 23, 2016
EAST-WEST CENTER

9:00-10:30  PLENARY PAPER SESSION
BUILDING WELL-BEING FROM ACADEMY TO PRACTICE
Moderators: Billie Faircloth, KieranTimberlake

A Community-driven Urban Acupuncture to Address the “Micro-Food Desert” in a Relatively Affluent County
Hui Cai, University of Kansas
Robin Liston, University of Kansas
Renee Bryant, Johnson County Department of Health and Environment
Kim Kimminau, University of Kansas

Beyond Best Practices: How One Architecture Firm Is Exploring Engagement Strategies to Find New Solutions that Promote Healthy Communities
Anne Schopf, Mahlum Architects

Exploring Opportunities at the Intersection of Design and Public Health Pedagogies
Traci Rider, North Carolina State University
Aaron Hipp, North Carolina State University

10:30-11:00  COFFEE BREAK

11:00-12:30  PAPER SESSION
HEALTH, PLACE, AND EQUITY
Moderator: Howard Frumkin, University of Washington

Application of the Ecologic Environmental Justice Framework in Charleston, South Carolina: An Environmental Justice Case Study
Sacoby Wilson, University of Maryland

Backyard Junk and Big Boxes: Inequality and Spatial Politics in the Rural South
David Franco, Clemson University

Development of Environmental Benefits Districts in Prince Georges County, MD: An Approach to Address Environmental Injustice and Revitalize Underserved Urban Neighborhoods
Sacoby Wilson, University of Maryland
Jake Bueno de Mesquita, University of Maryland
Katrina Bibb, University of Maryland
Hillary Craddock, University of Maryland
Melissa Desantiago, University of Maryland
Winnie Mutungu, University of Maryland
Rhodel Bradshaw, University of Maryland

Street Urbanism in a Global Context: Research Methods in Understanding Health and Place
Mary Anne Alabanza Akers, Morgan State University
11:00-12:30  PAPER SESSION
WELL-BEING IN THE STUDIO I
PACIFIC ROOM
Moderator: Andy Dannenberg, University of Washington

Designing for Health: At the Center of the Perfect Storm that Is Redefining How We Teach
Ray Pentecost, Texas Tech University
Saif Haq, Texas Tech University
Theresa Byrd, Texas Tech University

Converging Pedagogies: Human Health and Sustainable Design
Kimberly Rollings, University of Notre Dame

The Well-Tempered City: Health and the Built Environment in Interdisciplinary Design Education
Zaneta H. Hong, Harvard University

12:30-2:30  LUNCH (on your own)

2:30-4:00  PAPER SESSION
MODELS, METHODS, METRICS
ASIA ROOM
Moderator: Billie Faircloth, KieranTimberlake

Connected Healthy Living for Smart Cities
Paola Sanguinetti, University of Kansas
Hui Cai, University of Kansas
Joseph Colistra, University of Colorado
Hugo Sheward, University of Kansas
Ferdous Farhana, University of Kansas

Predictive Modeling Network for Performative Health Design, Agents and POE’s
Thomas Spiegelhalter, Florida International University

Using Social Innovation, Design Thinking and Co-Creation Research Methods to Solve Real World Challenges Facing a Top Ranked Children’s Hospital
Ann Black, University of Cincinnati
FRIDAY, SEPT. 23, 2016
EAST-WEST CENTER

2:30-4:00  PAPER SESSION
WELL FUTURES
PACIFIC ROOM

Moderator: Sara Carr, University of Hawaii at Manoa

Natural Building in the City: Salutogenic Construction Techniques in Urban Environments
Joseph Kennedy, NewSchool of Architecture and Design

Post-Petroleum Design
George Elvin, Ball State University

Reclaiming Recreation
Bradford Watson, Montana State University

Urban Vertical Farming
Jefferson Ellinger, University of North Carolina at Charlotte

4:00-4:30  COFFEE BREAK

4:30-6:00  PAPER SESSION
HEALTH AND VULNERABLE POPULATIONS I
ASIA ROOM

Moderator: Jenny Roe, University of Virginia

Augmenting Against Inequality: Improving Social-Technological Access for the Senior Community via Design
Ziad Qureshi, University of Houston

Improving Human Health and Well-Being through Sustainable Coastal Restoration and Community Advocacy
Phoebe Crisman, University of Virginia

Housing the Chronically Homeless: Opportunities and Challenges of a Community-based Design Studio
Kimberly Rollings, University of Notre Dame

Is Green Housing Healthy Housing? An Examination of Green Building and Healthy Building Guidelines for Residential Structures
Sherry Ahrentzen, University of Florida
Elif Tural, Virginia Tech
James Erickson, Arizona State University
4:30-6:00  PAPER SESSION
SPECIAL SETTINGS
Moderator: Anne Schopf, Mahlum Architects

A Case for Innovative Design: Post-Occupancy Evaluation on the Impacts of School and Furniture Design on User Satisfaction and Student Engagement
Xuemei Zhu, Texas A&M University
Raechel French, Diego Barrera, Gwen Morgan, Shivani Langer, Taryn Kinney, and Terry Hoyle, Stantec

Considering Health Impacts in Public School Design: Indoor Environment Quality, High Performance School Design and Operational Considerations
Geoffrey Thün, University of Michigan
Stuart Batterman, University of Michigan
Andrew Wald, University of Michigan
Cheryl Somers, Wayne State University
Feng-Chiao Su, University of Michigan
Jean Wineman, University of Michigan

Mapping the Hospital Environment: Linking Occupant Behavior and Environmental Conditions in an Acute Care Setting
Stephanie Carlisle, KieranTimberlake
Bon Ku, Thomas Jefferson University

6:00-7:30  PLENARY SESSION
KEYNOTE PANEL
John Bela, Gehl Architects
Bon Ku, Jefferson University
Stephen Luoni, University of Arkansas

NOTE: SPEAKER BIOGRAPHIES ARE LOCATED ON PAGE 14.
SATURDAY, SEPTEMBER 24, 2016
EAST-WEST CENTER

9:00-10:30
PLENARY PAPER SESSION
EMPIRICISM AND EVIDENCE
KEONI AUDITORIUM

Moderators: Howard Frumkin, University of Washington

Retro-‘fitbit’ting the Built Environment: Evaluating the Pace of Urban, Suburban, Rural Conditions
Jason Austin, Drexel University

Spatial Structure as an Architectural Performance Metric
Julie Zook, Texas Tech University

The Ageing Urban Brain: Changes in Brain Activity in Older People from Walking in the City
Jennifer Jane Roe, University of Virginia
Chris Neale, University of York
Peter A Aspinall, Heriot Watt University
Sara Tilley, University of Edinburg
Richard Coyne, University of Edinburgh
Mavros Panagiotis, The Bartlett, University College London
Cinderby Steve, Stockholm Environment Institute, University of York
Catharine Ward Thompson, University of Edinburgh
Neil Thin, University of Edinburgh

10:30-11:00
COFFEE BREAK

11:00-12:30
PAPER SESSION
HEALTH AND VULNERABLE POPULATIONS II
ASIA ROOM

Moderator: Sara Jensen Carr, University of Hawaii at Manoa

Deep Monitoring / Common Health+: Prototypes for Chronic Healthcare Delivery for Underserved and Remote Populations
Geoffrey Thün, University of Michigan
Kathy Velikov, University of Michigan
Dr. Joe Myers, University of Michigan Health Service / Eye Health Institute
Dr. David Burke, Wayne State University
Kallie Sternburgh, University of Michigan

A Fusion of Horizons: The When of Environmental Interventions for the Benefit of Health
Andrew Tripp, Mississippi State University
11:00-12:30 PAPER SESSION
HEALTHY INFRASTRUCTURES
PACIFIC ROOM
Moderator: Mark Fenton, Tufts University

- Mobilizing for Better Health Through Prototyping Park Infrastructure
  Shannon Criss, University of Kansas
  Nils Gore, University of Kansas

- Transdisciplinary Collaboration Through Memphis Walks
  Anthony Kitsinger, University of Memphis

- Who Benefits the Most from Walkable Communities? Results from a Quasi-natural Experimental Study
  Xuemei Zhu, Texas A&M University
  Zhipeng Lu, Texas A&M University
  Chia-Yuan Yu, University of Central Florida
  Chanam Lee, Texas A&M University

12:30-2:00 DESIGN AND HEALTH PANEL (AIA) & LUNCH (PROVIDED)
WAILANA GARDEN ROOM
Moderator: Suzanna Kelley, American Institute of Architects

Panelists: Anne Schopf, Mahlum
Chris Hong, Group 70 International
Janine Clifford, Clifford Planning

2:00-3:30 PAPER SESSION
HEALTHY YOUTH
ASIA ROOM
Moderator: Lehua Choy, University of Hawaii at Manoa

- Learn & Grow: An Educational Garden for the Boys & Girls Club
  Alexis Gregory, Mississippi State University
  Suzanne Powney, Mississippi State University
  Joseph Witt, Mississippi State University

  Sean Ahlquist, University of Michigan

- Take It Outside! Creating and Assessing a Nature-based Learning Environment
  Pamela Harwood, Ball State University
SATURDAY, SEPT. 24, 2016
EAST-WEST CENTER

2:00-3:30 PAPER SESSION
POLICY TO PRACTICE
PACIFIC ROOM

Moderator: Nicola Szibbo, University of Hawaii at Manoa

Collective Sensing for Urban Health Policies
Biayna Bogosian, University of Southern California
Maider Llaguno, ETH Wohnforum

Creating a Roadmap for Legislated Environmental Change: Design Thinking and Making California’s Carbon Credit Work on the Ground
Robert Todd Ferry, Portland State University
Sergio Palleroni, Portland State University

Health Is Material to Design
George Bradley Guy, Catholic University of America
Tanya Mejia, Perkins Eastman
Nancy Hulsey, HKS Architects
Lona Rerick, ZGF Architects

3:30 -4:00 COFFEE BREAK

4:00-5:30 PAPER SESSION
HEALTH AND THE HUMAN SCALE
ASIA ROOM

Moderator: Laura McGuire, University of Hawaii at Manoa

Cyborgonomic Architecture, Chromosapien Space
Mary-Ann Ray, University of Michigan

Sanatorium Zonnestraal and a Case for a Nuanced Approach to Light Exposure
Aki Ishida, Virginia Tech

The Ergonomic Frame: Humans, Nonhumans, and Their Spatial Ontologies
Michael L. Beaman, Rhode Island School of Design
4:00-5:30  PAPER SESSION
WELL-BEING IN THE STUDIO II
Moderator: Shannon Criss, University of Kansas

Health for Human, Animal, Environment and Economy: Implement the One Health Concept in an Interdisciplinary Design Studio
Zhipeng Lu, Texas A&M University
George J. Mann, Texas A&M University
Chanam Lee, Texas A&M University
Macharia Waruingi

Toward Healthy, Sustainable and Just Communities: Responses From the Academy
Michaele Lea Pride, University of New Mexico

Access to Healthy Food and Neighborhood Walkability: Insights Through Inter-professional Curricula
Shannon Criss, University of Kansas
Nikki Nollen, University of Kansas
Megha Ramaswamy, University of Kansas
Matt Kleinmann, University of Kansas

5:30-6:30  PLENARY SESSION
CLOSING PLENARY DISCUSSION
Moderator: Sara Jensen Carr, University of Hawaii at Manoa
John Bela is an urban innovator and public space designer. As a Director of Gehl Studio San Francisco, he works with cities, developers, and communities to translate human scale, people-first strategy and policy into quality places and experiences. John comes to Gehl from leading the Rebar Art and Design Studio, is a distinguished lecturer at U.C. Berkeley, and holds degrees in landscape architecture and environmental design, biochemistry, and sculpture.

Gehl is a global leader in people centered urban design. With studios in Copenhagen, New York and San Francisco, we are making ‘cities for people’. We offer expertise in the fields of architecture, urban design, landscape architecture and city planning. We address global trends with a people-focused approach, utilizing empirical analysis to understand how the built environment can promote wellbeing. We apply this analysis to strategic planning and human-centered design to empower citizens, decision makers, company leaders, and organizations. Our work is based on the human dimension – the built environment’s effect on social interaction between people. We consider lively and widely used public spaces to be vital keys to quality of life in cities and to overall wellbeing.

Dr. Bon Ku is the founder and director of JeffDESIGN, a program that teaches medical students to solve healthcare challenges using design thinking. The first ever design program in a medical school empowers future doctors to redesign healthcare services, physical spaces and medical devices. Dr. Ku has conducted numerous workshops focused on designing novel solutions to healthcare problems and has spoken widely on how better design can improve both healthcare delivery and the health of communities.

Dr. Ku is a board-certified emergency medicine physician with greater than 10 years in clinical practice. He is an Associate Professor of Emergency Medicine at the Sidney Kimmel Medical College at Thomas Jefferson University. He has multiple publications in areas of point-of-care ultrasound, healthcare utilization, and urban homeless populations. Dr. Ku completed a fellowship at Penn and holds a public policy degree from Princeton University.
Stephen Luoni is Director of the University of Arkansas Community Design Center (UACDC) where he is the Steven L. Anderson Chair in Architecture and Urban Studies and a Distinguished Professor of Architecture. Under his direction since 2003, UACDC’s design and research have won more than 100 awards, including Progressive Architecture Awards, American Institute of Architects Honors Awards for Regional and Urban Design, Charter Awards from the Congress for the New Urbanism, American Society of Landscape Architecture Awards, Environmental Design Research Association Awards, American Architecture Awards, and a Holcim Award, all for urban design, research, and education. His work at UACDC specializes in interdisciplinary public works projects combining landscape, urban, and architectural design. Luoni directed production of the center’s award-winning book: Low Impact Development: A Design Manual for Urban Areas. His work has been published in Oz, Architectural Record, Landscape Architecture, Progressive Architecture, Architect, Places, L’Architecture d’Aujourd’hui, Progressive Planning, International New Architecture, and Public Art Review. He was appointed a 2012 United States Artists Ford Fellow. Luoni has a BS in Architecture from Ohio State University and a Master of Architecture from Yale University.
TRANSPORTATION

ALL ATTENDEES AT THE SHERATON PRINCESS KAIULANI HOTEL WILL RECEIVE COMPLIMENTARY 4-DAY BUS PASSES. THE HONOLULU CITY BUS SYSTEM, THE BUS # 13, RUNS EVERY 15-MINUTES AND IS A SHORT 20 MINUTE RIDE.

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2645 DOLE STREET
HONOLULU, HI 96822

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