

ARCHITECTURAL INTELLIGENCE

FROM CONCEPT TO FUTURE

A ONE DAY SYMPOSIUM

April 19, 2022

Computer History Museum



AIA Silicon Valley Chapter welcomes you to
ARCHITECTURAL INTELLIGENCE

This one-day symposium brings together architects, emerging professionals, and industry partners from across the valley to explore a wide range of thought-provoking and inspirational topics that shape our profession and the built environment.

With over 30 speakers leading sessions on Sustainability, Equity, and Inspiration, AI.22 will provide a variety of learning and growth opportunities throughout the day. The Symposium features an exhibitor fair, time to mix, mingle, and network with friends and colleagues in-person, and an opportunity to connect to a larger far-reaching purpose.

SYMPOSIUM PLANNING COMMITTEE

SYMPOSIUM CO-CHAIRS

Coordinator: Leticia Soohoo, AIA, LEED AP BD + C

Program: Dasha Ortenberg

Sponsorship & Exhibitors: Donna Musselman, CID, EDAC

Marketing: Brent McClure, AIA

AIASVC Executive Director: Kristen Werner

Registration: Veronica Huston

AI.22 Committee Advisor: Sharon Refvem, FAIA, LEED Fellow

KEYNOTE SPEAKERS

OPENING KEYNOTE

CHERYL S. DURST, HON. FIIDA,
Executive Vice President and CEO at IIDA

An exceptional communicator, innovator, and visionary leader, Cheryl S. Durst has spurred progress, driven change, and encouraged the expansion of the interior design industry. As the Executive Vice President and CEO of IIDA, Cheryl is committed to achieving broad recognition for the value of design and its significant role in society through both functionality and engagement in everyday workspaces and the built environment. Demonstrated by her active involvement in connecting industry professionals, including designers, manufacturers, clients, end users, and employers, Cheryl has worked to promote an understanding of how design impacts human behavior and affects all aspects of shared spaces.



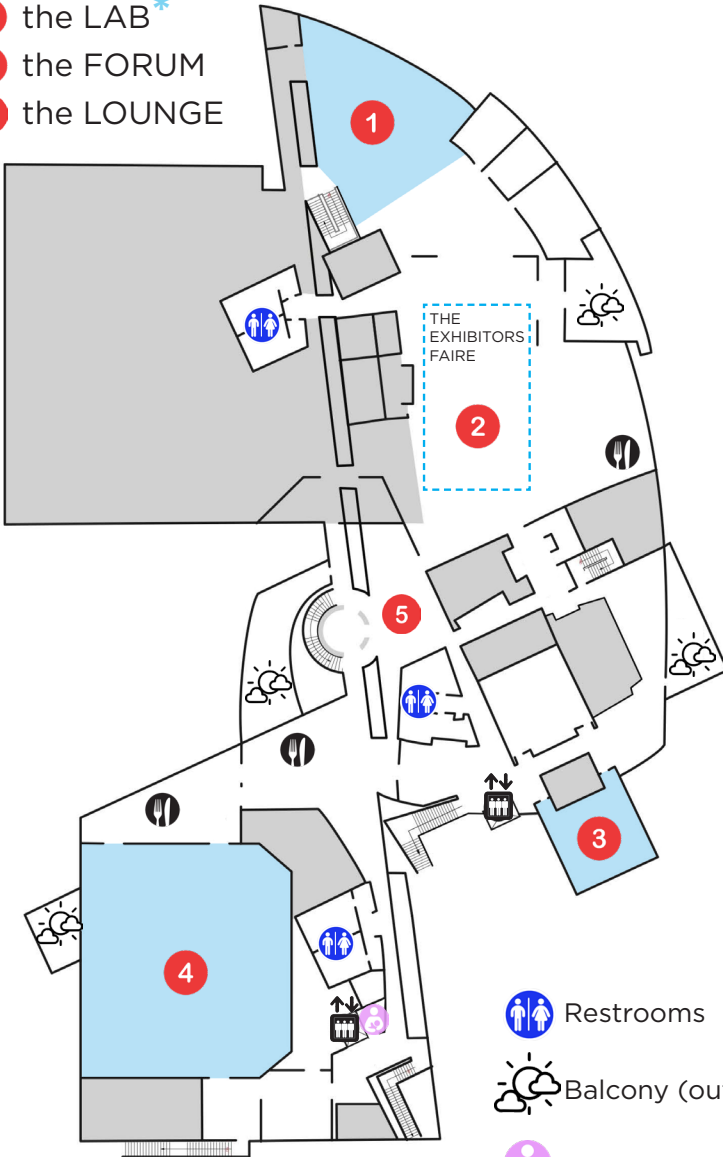
CLOSING KEYNOTE






DR. EVE EDELSTEIN, F-AAA,
Director of Design Quality,
Guy's & Thomas' Foundation Trust,
National Health Service, United Kingdom

Dr. Eve Edelstein, F-AAA, is Director of Design Quality, National Health Service, Guy's and St Thomas' Hospital Foundation Trust. Eve applies neuroscience to design in all practice areas, consulting with experts, stakeholders, users, and design teams. Eve developed the first Neuroscience and Architecture courses with ANFA, NSAD, UCSD, and the Salk Institute, and Building Blocks for Clinicians at Great Ormond Street Hospital. With Essentia at GSTT, Dr. Edelstein is developing a broad series of courses, workshops and practica to achieve efficient and effective design experiences for all users.



- 1 the POINT
- 2 the ZONE
- 3 the LAB*
- 4 the FORUM
- 5 the LOUNGE



-  Restrooms
-  Balcony (outdoor)
-  Mother's Room
-  Elevator
-  Food & Refreshments

*the LAB Features hybrid digital-physical presentations blending in-person regional speakers together with global experts presenting virtually.

SCHEDULE AT A GLANCE

OPEN	7:00 am	REGISTRATION
	8:00 am	WELCOME AND INTRODUCTIONS THE FORUM
	8:15 am	OPENING KEYNOTE Cheryl S. Durst, Hon. FIIDA The Art and Science of Belonging: A Design Imperative

AM SESSIONS		THE LAB	THE FORUM	THE POINT
	9:30am	Inspired by History to Form the Future E EQUITY	The Path to Zero S SUSTAINABILITY	Constructing Architectural Ecologies I INSPIRATION
	10:30am	COFFEE BREAK & EXHIBITION HALL		
	11:00am	Building Reuse + Upgrade: Saving Carbon, Building Community and Equity S SUSTAINABILITY	Remapping the Future: A Toolkit for Advancing Equitable Housing Policy for the Suburbs E EQUITY	Framing the Air I INSPIRATION

12:00pm

LUNCH & EXHIBITION HALL

PM SESSIONS		THE LAB	THE FORUM	THE POINT
	1:00pm	Mass Timber S SUSTAINABILITY	Crossing Scale and Culture Through Housing Equity E EQUITY	Expanding Practice for a White Water World I INSPIRATION
	2:00 pm	COFFEE BREAK & EXHIBITION HALL		
	2:15pm	Addressing Scale: Water in California S SUSTAINABILITY	Visualizing Space: From Speculative to Pragmatic I INSPIRATION	Connecting the Dots: Design Challenges in Global Health E EQUITY

3:15pm

RAFFLE & EXHIBITION HALL

CLOSE	3:45pm	CLOSING REMARKS THE FORUM
	4:00pm	CLOSING KEYNOTE Dr. Eve Edelstein, F-AAA Architectural Intelligence: How the Brain Inspires Design for our Diverse Communities
	5:00pm	1 HOUR RECEPTION

SYMPOSIUM SESSIONS

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SYMPOSIUM TRACK

SUSTAINABILITY

ROOM

THE FORUM

**AM SESSION #1
9:30AM - 10:30AM**

THE PATH TO ZERO

Wondering how to bridge current practice with Net Zero goals to improve project outcomes and meet upcoming code requirements? This session will provide an overview of Integrated Design Process Basics presented with the goal of enabling the audience to put what they have learned into practice.

PRESENTER:

JOHN ANDARY,
Senior Principal, Mechanical
Integral Group

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INSPIRED BY HISTORY TO FORM THE FUTURE

This session supported by the Women in Architecture Affiliate Group of the Society of Architectural Historians, brings together panelists from across continents to discuss how the recent research has transformed the way we examine women's contribution to the built environment, and how women who practice architecture around the world continue to change the face of our profession. Our panelists address the gap between the critical misconceptions, recognize women's past and present accomplishments and leadership, and advocate and inspire new role models from diverse backgrounds and geographies.

PRESENTERS:

ANNA SOKOLINA, PHD

Founding Chair
Women in Architecture Affiliate Group of the Society
of Architectural Historians

PRIYA JAIN, AIA, LEED BD+C

Assistant Professor, Architecture, Associate Director,
Center for Heritage Conservation,
Texas A&M

YAN WENCHENG, PHD

EVA M. ALVAREZ ISIDRO, PHD
Associate Professor at Architectural Studio
Department,
Universitat Politècnica de Valencia

CARLOS J. GOMEZ ALFONSO, PHD

Associate Professor at Architectural Studio
Department,
Universitat Politècnica de Valencia

MERAL EKINCIOGLU, PHD

SAH WIA Affiliate Group Registers Committee;
SAH Historic Interiors Affiliate Group Research
Committee

CONSTRUCTING ARCHITECTURAL ECOLOGIES

In this talk, Adam Marcus will present work from his practice Variable Projects and research conducted at the Architectural Ecologies Lab at California College of the Arts. The work blends design computation, digital fabrication, and ecological engagement across multiple scales and environments.

PRESENTER:

ADAM MARCUS

Associate Professor
California College of the Arts

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**AM SESSION #2
11:00AM - 12:00PM**

BUILDING REUSE + UPGRADE: SAVING CARBON, BUILDING COMMUNITY AND EQUITY

From an embodied carbon standpoint, “the greenest building may be the one that is already built”, but from the perspective of operating carbon, not so much. We cannot leave them alone and we cannot afford to replace them all. Reusing and upgrading what we have is going to be the key to reducing carbon emissions from the built environment. It also strengthens neighborhoods, maintains diversity, builds equity, increases resilience, and improves thermal comfort, and health.

PRESENTERS:

LARRY STRAIN, FAIA
Founding Principal
Siegel & Strain Architects

DONALD I KING, FAIA
President / Chief Executive
MIMAR Studio
Nehemiah Initiative Seattle

SEAN ARMSTRONG
Managing Principal
Redwood Energy

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REMAPPING THE FUTURE: A TOOLKIT FOR ADVANCING EQUITABLE HOUSING POLICY FOR THE SUBURBS

The Bay Area is more racially segregated today than it was in 1970. What role has the history of the suburbs played in this? How do interdisciplinary teams work together to help create policy that leads to more racially inclusive neighborhoods in the greater region? How do we address this problem in Silicon Valley specifically? This session will equip attendees with a deeper understanding of regional and local housing planning policies and the data that is used to identify challenges and implement effective solutions.

PRESENTER:**SHAJUTI HOSSAIN**

Associate
Renne Public Law Group, LLP

FRAMING THE AIR

Norberto Nardi will speak to his journey as an architect and creative thinker : from Argentina to the United States, from architect to author, from fact to inspiration. He will address what it takes to create, maintain, and lead an international practice - from the inception to nuts and bolts. Fundamentally, this session will consider the facts and fictions that drive our philosophies, practices, and professional trajectories.

PRESENTER:**NOBERTO F. NARDI, AIA, NCARB**

Principal Partner
Nardi Associates, LLP

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**PM SESSION #3
1:00PM - 2:00PM**

MASS TIMBER

Mass timber is an umbrella term that encompasses wood based structural building products of various sizes and functions. Two types of Mass Timber products, Dowel Laminated Timber (DLT) and cross-laminated timber (CLT) are emerging as viable alternatives to concrete and steel as primary building materials, for their architectural qualities and potential to help decarbonize the building sector. In this panel, through an informal chat and Q&A format, the subject matter experts will run through the advantages and caveats complexities of mass timber, from an architectural, structural, code, constructability, and investment perspective. and owner investment points of view. It is a great learning session for those who will foray into Mass Timber building design and construction.

PRESENTERS:

DONALD DAVIES

President
Magnusson Klemencic Associates

PAULINE SOUZA, FAIA, WELL AP, LEED Fellow,
LFA Director of Sustainability, Partner,
WRNS

LISA PODESTO

Timber & Innovation Specialist,
SEAOCC Sustainable Design Committee
Senior Business Development Manager
Lendlease

LETICIA SOOHOO, AIA, LEED AP BD+C

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CROSSING SCALE AND CULTURE THROUGH HOUSING EQUITY

The question of housing is simultaneously the most basic and the most complex of architectural challenges. In Silicon Valley, which stands at a cultural and socio-economic cross-roads, the challenge of equitable housing design is further nuanced by the industries and geographies that define the region. This panel will use scale to start to examine some of the emerging opportunities and strategies in engaging and addressing these factors at different scales - from single-family residential to multi-family developments.

PRESENTERS:

JENNIFER KRETSCHMER, AIA, NCARB,
LEED GREEN ASSOCIATE
J. Kretschmer Architect

KATE CONLEY, AIA
Principal
Architects FORA

LAKSHMI SUBRAMANIAN, AIA
Principal Architect of Lean Lens

MATTHEW REED, PHD
Director of Policy
SV@Home

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EXPANDING PRACTICE FOR A WHITE WATER WORLD

Prepared during a worldwide pandemic, from a place that is raging with an unprecedented fury of forest fires, in a world that is convulsing, socially, economically, and politically, this talk will tell the story of two projects that aim to make tangible progress through these entangled, erratic, and explosive times. These projects grapple with designing contexts - not things. They belong to an expanded practice of design, which works to open windows of change on seemingly intractable situations; pursuing desirable, not default, futures; moving the needle on how we engage and act more thoughtfully with each other and with the worlds we enact. This talk will focus on two projects but place them in the larger context of a still emerging practice.

PRESENTER:

ANN M. PENDLETON-JULLIAN
Architect, Writer

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PM SESSION #4
2:15PM - 3:15PM

ADDRESSING SCALE: WATER IN CALIFORNIA

The multitude of studies and reports about the impacts of climate change on water in the West come to the same conclusions: the future will bring more climate extremes, including longer and more intense periods without reliable water supplies. Water is rapidly becoming a scarcity in California which impacts our daily lives and the state's livelihood across industries. It is an issue our profession and the building industry can no longer ignore. In this session, we will find out what governments are doing to help manage the resource now and, in the future, plus we will share examples of commercial and residential projects addressing water use reduction successfully.

PRESENTERS:

TAYLOR CHANG NOKHOUDIAN
Water Resource Analyst SFPUC

AMELIA LUNA, MSc, PE, LEED AP, ENV SP
Senior Project Manager, Associate
Sherwood Design Engineers

SVEN THESEN
Director, Benisol Solar
Founder, Project Green Home

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CONNECTING THE DOTS: DESIGN CHALLENGES IN GLOBAL HEALTH

What is global health and what can architects do to advance health equity? Working in parallel and interconnected spheres of global health – in infectious disease research and pediatric care – the two speakers have navigated a range of environments. Using cutting edge technologies at leading institutions and persevering in resource-challenged conditions, they have gained insight into the design opportunities and constraints of working in the developing world. From specific examples to broad insights, the session aims to inspire designers to see the big impacts they could make by leveraging their core skillsets.

PRESENTERS:

DR. XINSHU SHE, MD, MPH, FAAP
Clinical Associate Professor | Pediatrics
Stanford University School of Medicine

BRIE FALKARD, PHD
Senior Research Scientist
Immunologist
Global Health Consultant

VISUALIZING SPACE: FROM SPECULATIVE TO PRAGMATIC

How can we use contemporary representation tools for both speculative envisioning and pragmatic implementation of projects? What are the relationships of big picture vision and built reality? What tools – from representation to partnership – do we have for incorporating diverse voices and stories into the built environment? What are some of the ways that “permanent” and “temporary” projects can build off one-another?

PRESENTERS:

SHAMSHER VIRK
Executive Director
ZERO1

SUSAN MOFFAT
Creative Director,
Future Histories Lab;
Executive Director,
Global Urban Humanities Initiative
UC Berkeley

GUY MESSICK, AIA
Director of Design Intelligence
IA Interior Architects

DASHA ORTENBERG
Moderator, AIA Silicon Valley

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