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
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.

Dr. Eve Edelstein, F-AAA, is Director of Design Quality, Guy’s & Thomas’ Foundation Trust, National Health Service, United Kingdom. Dr. Edelstein applies neuroscience to design in all practice areas, consulting with experts, stakeholders, users, and design teams. She 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.
the POINT
the ZONE
the LAB*
the FORUM
the LOUNGE

*the LAB Features hybrid digital-physical presentations blending in-person regional speakers together with global experts presenting virtually.
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<tr>
<th>Time</th>
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<td>8:00 am</td>
<td>WELCOME AND INTRODUCTIONS</td>
<td>THE FORUM</td>
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<td>8:15 am</td>
<td>OPENING KEYNOTE</td>
<td>Cheryl S. Durst, Hon. FIIDA</td>
<td>The Art and Science of Belonging: A Design Imperative</td>
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<td>9:30 am</td>
<td>AM SESSIONS</td>
<td>THE LAB: Inspired by History to Form the Future</td>
<td>THE FORUM: The Path to Zero</td>
<td>THE POINT: Constructing Architectural Ecologies</td>
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<td>11:00 am</td>
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<td>THE LAB: Building Reuse + Upgrade: Saving Carbon, Building Community and Equity</td>
<td>THE FORUM: Remapping the Future: A Toolkit for Advancing Equitable Housing Policy for the Suburbs</td>
<td>THE POINT: Framing the Air</td>
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<td>LUNCH &amp; EXHIBITION HALL</td>
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<td>PM SESSIONS</td>
<td>THE LAB: Mass Timber</td>
<td>THE FORUM: Crossing Scale and Culture Through Housing Equity</td>
<td>THE POINT: Expanding Practice for a White Water World</td>
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<td>4:00 pm</td>
<td>CLOSING KEYNOTE</td>
<td>Dr. Eve Edelstein, F-AAA</td>
<td>Architectural Intelligence: How the Brain Inspires Design for our Diverse Communities</td>
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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.

**THE PATH TO ZERO**

**PRESENTER:**

**JOHN ANDARY,**
Senior Principal, Mechanical Integral Group
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 Politecnica de Valencia

CARLOS J. GOMEZ ALFONSO, PHD
Associate Professor at Architectural Studio Department, Universitat Politecnica 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
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
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
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**
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.

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.

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

PRESENTER:
ANN M. PENDLETON-JULLIAN
Architect, Writer
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
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. XINSHEU 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 visioning 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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