Technology in Architectural Practice Open Forum

Local AIA TAP Chapters

May, 9th 2023

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Questions related to specific products and services may be addressed at the conclusion of this presentation.

Alexandra Pollock

Alexandra is Chief Technology Officer and Principal at FXCollaborative Architects, where she leads the firm's Digital Practice Group, overseeing design, information, and business technologies. Prior to her role in architectural technology, Alexandra was a practicing architect and remains a registered architect in New York.

Currently she is serving as a committee member for the national AIA TAP (Technology in Architecture Practice), and previously co-chaired the local AIANY Technology Committee.

Moderator

AIA | TAP
NEW YORK

Cesar Escalante

Cesar leads storytelling efforts for the architecture industry—creating and evangelizing compelling content on new and emerging technologies to Autodesk customers worldwide. Cesar is a registered architect and spent the past 18 years in the architectural industry, holding design technology leadership roles at large international firms, including Gensler, HOK, and Flad Architects. He is a member of the AIA Technology in Architectural Practice (TAP) leadership council & a board member of the AIA San Francisco. He teaches BIM at the California College of the Arts.

A'23 AIA Conference on Architecture 2023
June 7–10, San Francisco

AIA | TAP
SAN FRANCISCO

Benjamin Regnier

Ben Regnier is an architect and Design Technology Lead at Gensler with experience and knowledge in implementing advanced technology in architectural design, from building information modeling (BIM) and integrated project delivery to computational design, data visualization, and digital fabrication.
He is also the chair of the TAP Knowledge Committee in San Diego. In addition to his roles as a Design Technology leader, Ben has design experience in commercial office, aviation, educational, and civic projects, most recently on the Terminal 1 Replacement Project at the San Diego International Airport.

A'23 AIA Conference on Architecture 2023
June 7–10, San Francisco

AIA | TAP
SAN DIEGO

Brian Skowvron

Brian is a Senior Associate with Gruen Associates and the Director of Design Technology.

He oversees the planning, strategic management and deployment of a healthy cultural and technology-driven environment.

Co-chair of AIALA TAP (Technology in Architectural Practices) since 2021, he encourages LA based Technology Leaders to share their resources and experience.

A'23 AIA Conference on Architecture 2023
June 7–10, San Francisco

Mark Schmieding

Mark is the Director of Digital Practice at Goettsch Partners in Chicago.

He began his career at SOM in 1987 and gained a reputation for developing and implementing architectural design software. Because of this, he was recruited by the original Revit Technology Corporation and was part of the team that created the BIM software that changed the AEC industry.

AIA | TAP CHICAGO

A'23 AIA Conference on Architecture 2023
June 7–10, San Francisco

Niknaz Aftahi

Niknaz is the CEO and founder at aec+tech.

All-in-one innovation platform and community connecting AEC/O (Architecture, Engineering, Construction & Operations) professionals with the latest tools and technologies.

Prior to launching aec+tech Niknaz practiced architecture in the bay area, California, both as a design professional as well as a design technology director.

Niknaz is passionate about technology and innovation in the AEC space, and she has been a keynote speaker at various international aec-tech events. Niknaz is a member of AIA San Francisco design technology committee and has also been developing curriculum and teaching architecture courses online to Bahai students in Iran who continue to be deprived of access to universities in their own country.

Brad Prestbo

Bradford J. Prestbo, FAIA, is advancing the profession through his practice, advocacy, and educational efforts in the use of cutting-edge design technologies, high-performance design, and the incorporation of maker culture into the design process. He has practiced internationally, is a sought-after speaker, is frequently interviewed, and is an educator via his detailing workshops, higher-education classes, design juries, and mentorship of emerging professionals.

A'23 AIA Conference on Architecture 2023
June 7–10, San Francisco

AIA | TAP NATIONAL

Cesar Escalante
AIA|TAP
SAN FRANCISCO

Benjamin Regnier
AIA|TAP
SAN DIEGO

Thesla Collier
AIA|TAP
NATIONAL

Brian Skowvron
AIA|TAP
LOS ANGELES

Mark Schmieding
FAIA|TAP
CHICAGO

Alexandra Pollock
AIA|TAP|NATIONAL
Moderator

Brad Prestbo
FAIA|TAP
NATIONAL

Niknaz Aftahi
AEC+TECH

AIA TAP | San Francisco

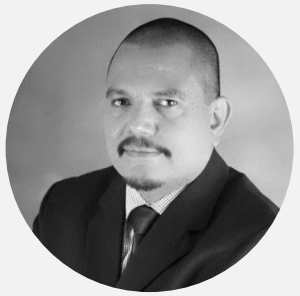
Local AIA TAP Chapters

May, 9th 2023

2017 - SAN FRANCISCO DYNAMO USER GROUP

DUGSF is a non-profit serving a local community of programmers, developers, designers and practitioners interested in computational design, programming, and visual scripting.

SFDUG 2017 Chairs



Cesar Escalante, AIA
HOK

SoYoung Lee, AIA
HOK

5 years

1,300 audience

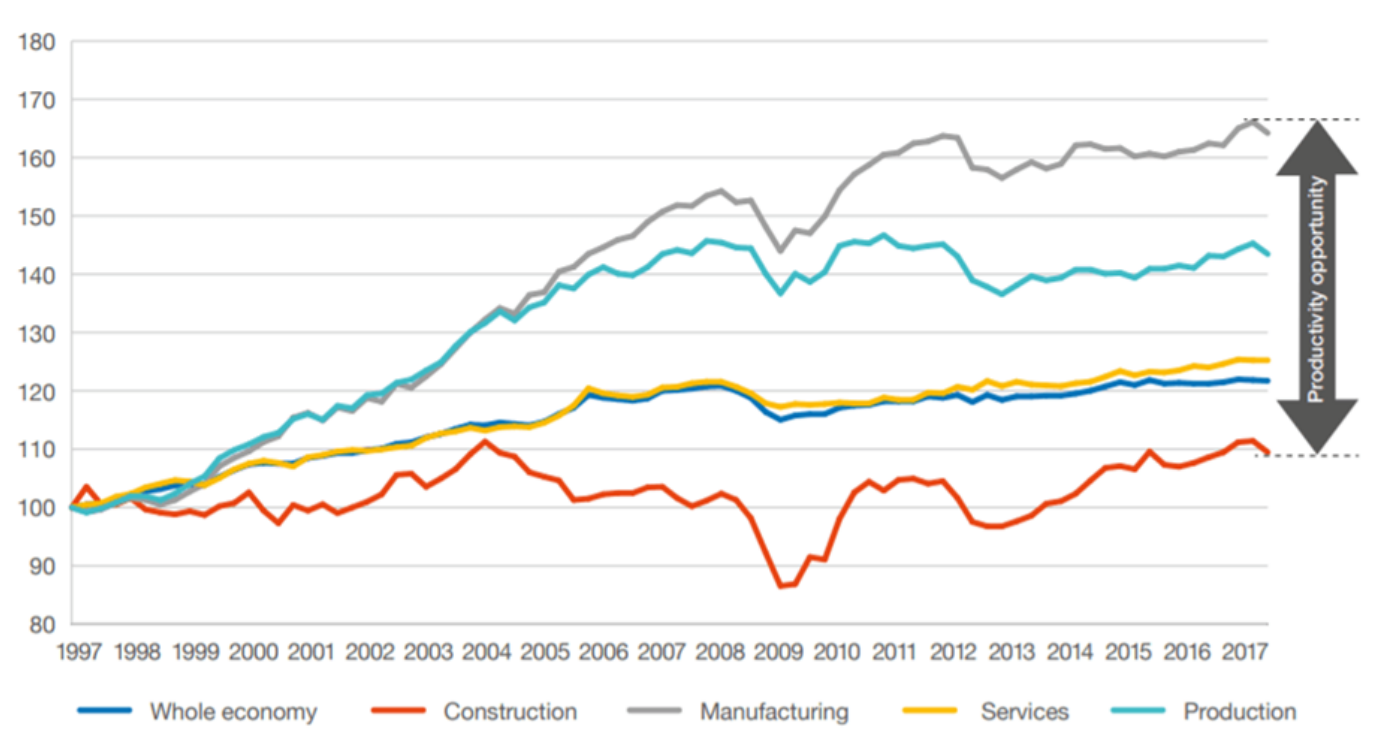
120 presentations

3,000 YouTube Subscribers

180 countries

AIA SAN FRANCISCO TECHNOLOGY IN PRACTICE KC
PROBLEM STATEMENT

The productivity efficiency has remained in decline for decades in the AEC industry as a result of **fragmentation**, antiquated and **inefficient** processes, and a **resistance** to technology change and adoption.



90%

digitalization will transform the industry

70%

those who don't adopt will go out of business

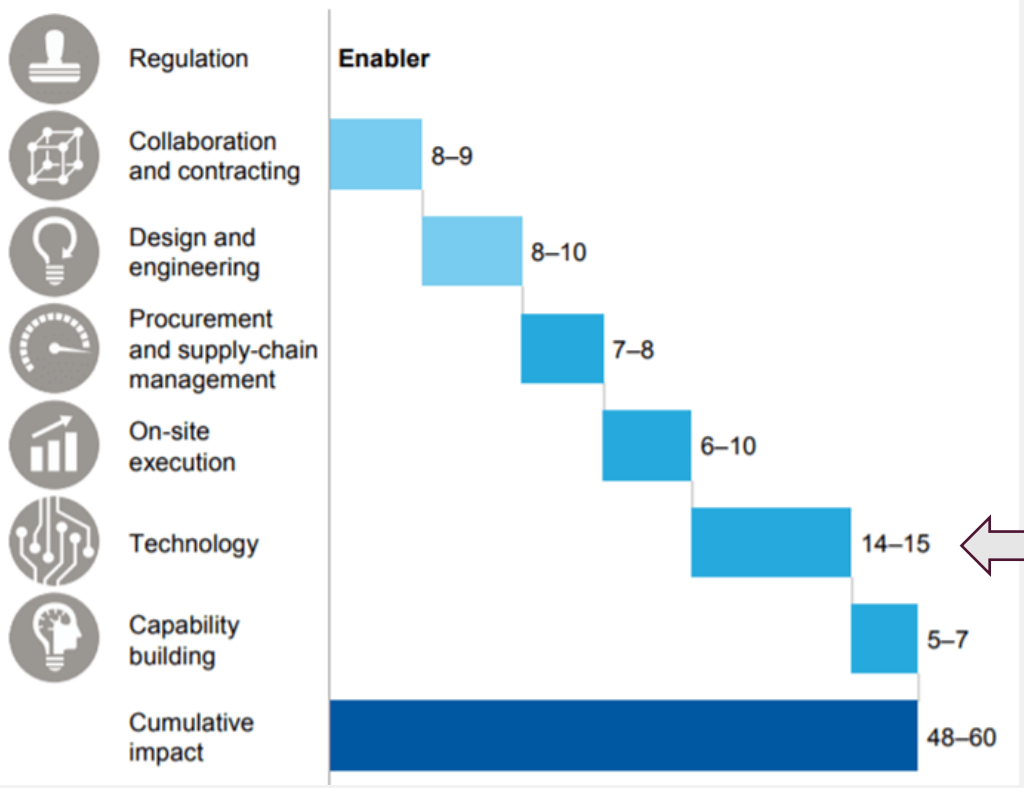
62%

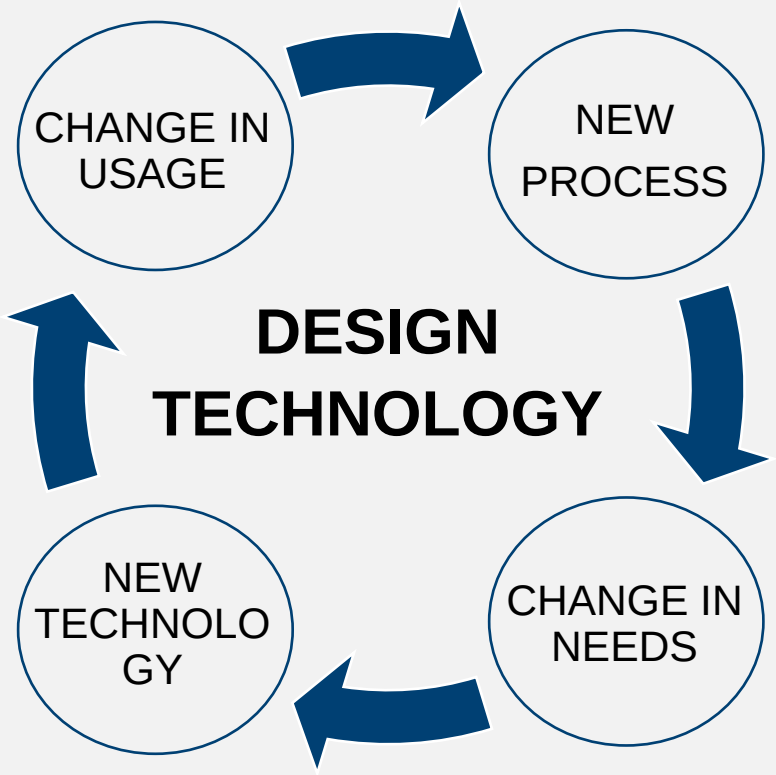
AEC is behind other industries

AIA SAN FRANCISCO TECHNOLOGY IN PRACTICE KC
THE ROLE OF DESIGN TECHNOLOGY

It is our role as technologists to become agents of change in the promotion, dissemination, and adoption of new design technologies to move us into the digital era.

Percentage of Global Productivity Improvement by Enabler





Source: McKinsey – Reinventing Company: A Route to Higher Productivity, 2018

AIA SAN FRANCISCO TECHNOLOGY IN PRACTICE KC MISSION

The **AIASF Technology in Practice KC** works to **inform** and advance the understanding of design technology and its impact on the built environment. The committee helps to promote and **accelerate** digital transformation of AIA's local communities through **dialogue** and adoption of **technologies** enabling new processes and experiences.

AIA SAN FRANCISCO TECHNOLOGY IN PRACTICE KC
ALIGNMENT WITH THE AIASF GOALS

In alignment with the AIASF Strategic Plan, we are moved by the same values honoring **Community**, **Relevance**, **Public Benefit**, and **Leadership**.

AIASF

Matt Staublin, AIA
AIASF Board Liaison

Annabelle Udo-O'Malley *AIASF Public Programs*

Collaborate

- Build collaborative and inclusive public programs
- Increased collaboration with AIASF and cross-committees
- Assistance and guidance via staff liaisons

Advocate

- Discuss regulation requirement of technology adoption
- Inform of ongoing standards and open source resources
- Create a community-based culture

Advance

- Connect and provide programs for the AIASF members and public at large
- Strengthen the AIASF as valuable resource of information

AIA SAN FRANCISCO TECHNOLOGY IN PRACTICE KC COMMITTEE STRATEGIC GOALS

Educate

Impact of disruptive technologies in AEC industry

Integrate

Vertical integration of tools and processes in the building life-cycle

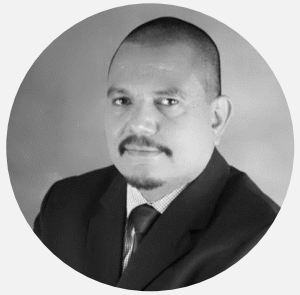
Dialogue

Regulations and requirements of new technology

Accelerate

Digital transformation of the local communities

AIA SAN FRANCISCO TECHNOLOGY IN PRACTICE KC FOUNDING COMMITTEE MEMBERS



Cesar Escalante, AIA
HOK
Chair

Gabriele Sorrento
MINDESK

Rotimi Seriki, Assoc AIA
HOK

Myoung Kang
ATELIERAVANT

Enrico Chionna, Intl. AIA
HELLER MANUS

Thomas Simmons
ARCHVISTA

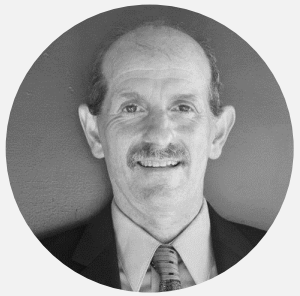
Tony Rinella
bimSCORE

SoYoung Lee, AIA
HOK
Co-Chair

Zig Rubel, FAIA
A Design+Consulting

Jennifer Lew, RA
SFCDI

Dennis Eldrige, AIA
JOIN



Dave Alpert, FAIA
GEOPOGO

Adam Rendek, AAIA
DPR

Michael Hoppe
GEOPOGO

AIA SAN FRANCISCO TECHNOLOGY IN PRACTICE KC
2023 LEADERSHIP ROLES

Al Dram
Drams Tech
Chair

Argelia Barcenas
Gensler
Co-Chair

Jennifer Lew, RA
SFCDI
Marketing

Stephanie tab
SOM
Secretary

Brandon Nuckelt
MBH
AIA Liason

AIASF DESIGN TECHNOLOGY COMMITTEE ACTIVE COMMITTEE MEMBERS

Name	Company
Adam Rendek	DPR
Annabelle Udo-O'Malley	AIA
Cesar Escalante	AUTODESK
Dave Alpert	GEOPOGO
Dave Monk	ARCHSOURCE
Dennis Eldridge	JOIN
Douglas Smith	WOODSBAGOT
Enrico Chionna	HELLER MANUS
Eric Stimmel	SOM
Gabriele Sorrento	MINDESK
Jennifer Lew	HKIT
Kat Park	SOM
Mark Perry	HOK
Matt Staublin	AIA
Michael Hoppe	GEOPOGO
Myoung Kang	ATELIERAVANT
Rotimi Seriki	HOK
SoYoung Lee	
Thomas Simmons	ARCHVISTA
Tony Rinella	SBI
Zig Rubel	A Design+Consulting

AIA SAN FRANCISCO TECHNOLOGY IN PRACTICE KC WORKPLAN

To meet the committee goals, the technical committee will schedule the following activities throughout the year

DT Public Program
Speaker engagements by subject matter experts

SF Design Technology Symposium
Annual local conference about Design Technology

Annual Workshop
Annual hand-on training on cutting-edge technologies

Technology Toolkit
Information Package

AIA SAN FRANCISCO TECHNOLOGY IN PRACTICE KC MONTHLY DESIGN TECHNOLOGY MEETUP

01
Summary

A monthly meetup co-hosted by the SFCDI that expose to the public about the new trends in technological and delivery innovations. Top of the industry subject matter experts are invited to present the result of their work, research or product development.

02
Impact

- Facilitate monthly presentations about Design Technology topics
- Educate the local community about new technological trends
- Promote the dialog about the existing and ongoing initiative to standardize and regulate a technology in the frame of the AEC practice

03
Deliverables

- **Monthly meetings open to the public**
- When: Third Wednesday of every month.
- Lunch
- Recording of the meet-up
- 1 unit, AIA CE Accredited

04
Resources

- Attendance: 20-70
- Admission: $10
- Venue: AIA SF Conference Room
- Marketing via AIA Website and Monthly calendar

AIASF DESIGN TECHNOLOGY COMMITTEE
SF DESIGN TECHNOLOGY SYMPOSIUM

01
Summary

The symposium is a half-day conference that brings together AEC professionals, owners/operators, and innovators to explore new trends in design technology and the built environment.

02
Impact

- Discuss best practices for vertical integration and multidiscipline coordination.
- Understand how software and services change the way we complete the life cycle of buildings.
- Discuss best practices for interoperability
- Understand how new technology shapes the way designer's present and visualize work.

03
Deliverables

- 1/2-day Symposium
- 15 Speakers
- When: Early Fall
- Coffee Break
- 4 unit, AIA CE Accredited

04
Resources

- Attendance: 150
- Admissions: $25-$90
- Venue: Autodesk One Market Gallery, TBD
- Marketing via AIA Website and monthly calendar

AIASF DESIGN TECHNOLOGY COMMITTEE ANNUAL WORKSHOP

01
Summary

This annual event is a hands-on workshop delivered by subject matter experts about a cutting-edge technology. It will provide the community with an opportunity to advance their skills and understanding of a new process or technology.

02
Impact

- Enable local practitioners in the use of a new processes, workflows, or technology
- Facilitate and accelerate the adoption of disruptive technologies
- Provide access to top-notch subject matter experts
- Elevate the technical skills of the local community

03
Deliverables

- Annual workshop open to the public
- When: Summer, starting 2021
- Meals, TBD
- AIA CE Accredited

04
Resources

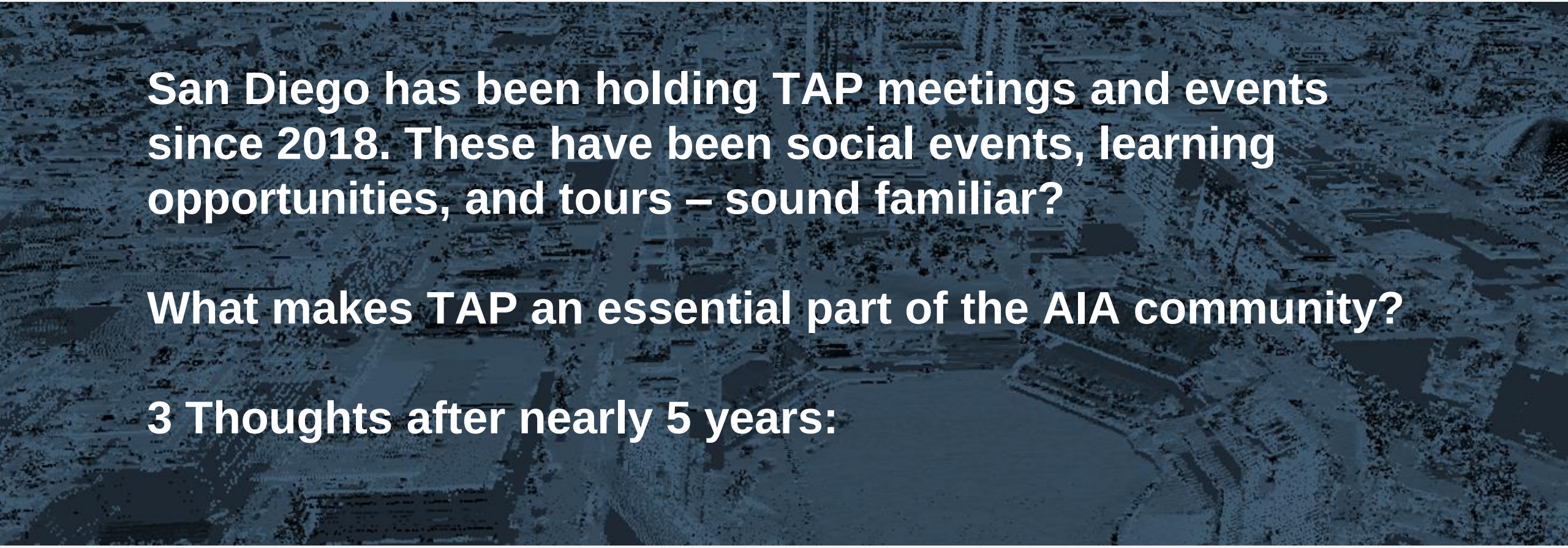
- Attendance: 15-24
- Admission: TBD subject to length and instructor honorarium.
- Venue: AIA SF Conference Room
- Marketing via AIA Website and monthly calendar

AIA TAP | San Diego

Local AIA TAP Chapters

May, 9th 2023

TAP San Diego: What is a TAP?



San Diego has been holding TAP meetings and events since 2018. These have been social events, learning opportunities, and tours – sound familiar?

What makes TAP an essential part of the AIA community?

3 Thoughts after nearly 5 years:

1: Technology is in everything

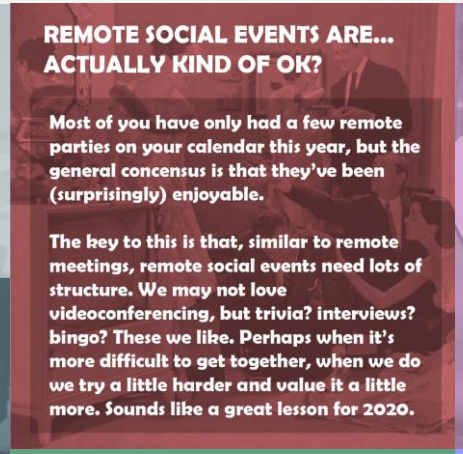
Things plugged in to charge when I go to bed:

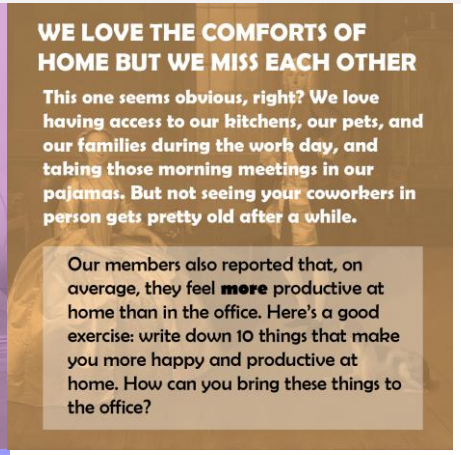
2003:

2023:

The Lesson:
Every audience has a technology story

1: Technology is in everything





Technology can be about our daily lives (especially in a global pandemic)

1: Technology is in everything

WOMEN IN DESIGN TECHNOLOGY: A COLLABORATION BETWEEN WIA AND TAP

Thursday, June 25, 2020
12:00 PM – 1:30 PM

Google Calendar · ICS

Technology can be about opportunity

It is no secret that being an architect also means navigating how to integrate technology into your practice. Join us for a panel discussion showcasing five women who are experts in their different areas of design technology. As a collective, our panelists are developing parametric tools for Rhinoceros, leading design studios to meet client expectations, integrating VR into the design process, leading construction BIM management, and orchestrating construction processes with VDC.

Reasons to virtually attend:

1. Be inspired by five innovative women
2. Gain resources to become more of an expert yourself
3. Submit questions for the panelist during the discussion
4. You don't know what VDC is…

Five more reasons to attend? These amazing panelists:

Stacy Cannon, Principal, Gensler San Diego

Rajaa Issa, Software Developer with McNeel & Associates, Former Faculty, NewSchool of Architecture & Design

Kathryn Knight, VDC Manager, DPR San Diego

ing

Talita Barão Mathias- Associate, HMC Architects San Diego

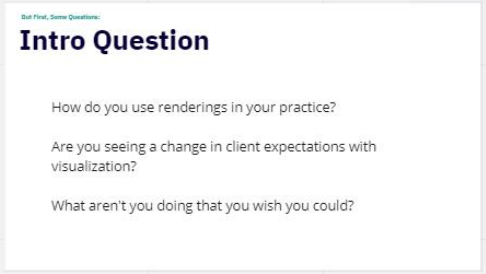
Katerina Milovanoska, BIM/VDC Director, Gafcon

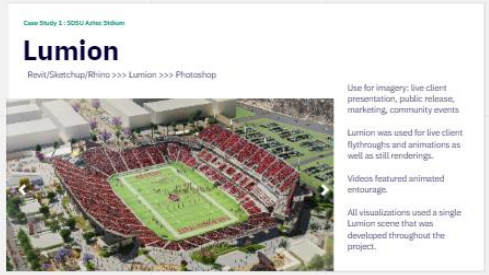
2: Our value is in condensing time through deep consideration

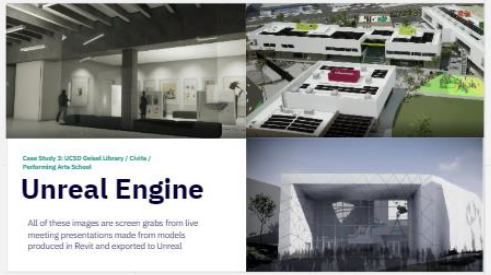
In most surveys, interviews, and discussions, one of the constant concerns we hear from architects is about a lack of time.

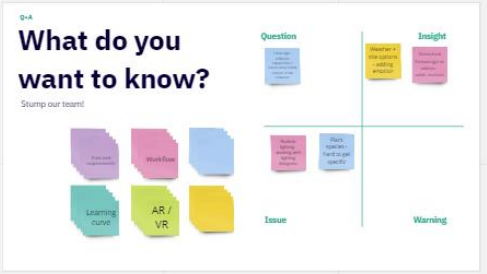
The Lesson:
We all desperately need trusted sources of straightforward information. For technology, this must come from our peers.

2: Our value is in condensing time through deep consideration



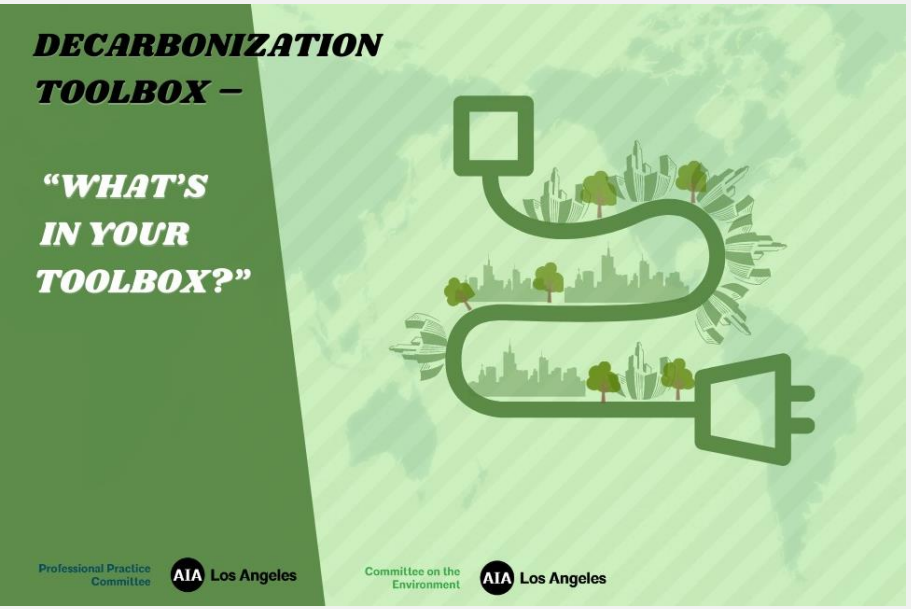




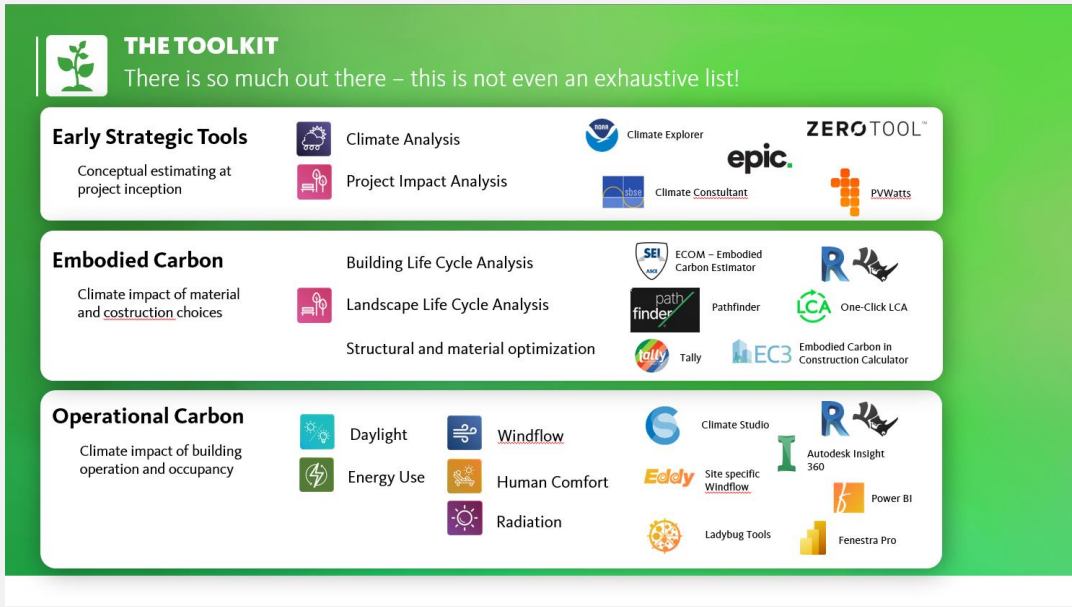


Simple topics, direct from our colleagues, is a great staple food. We are all experts, we are all resources.

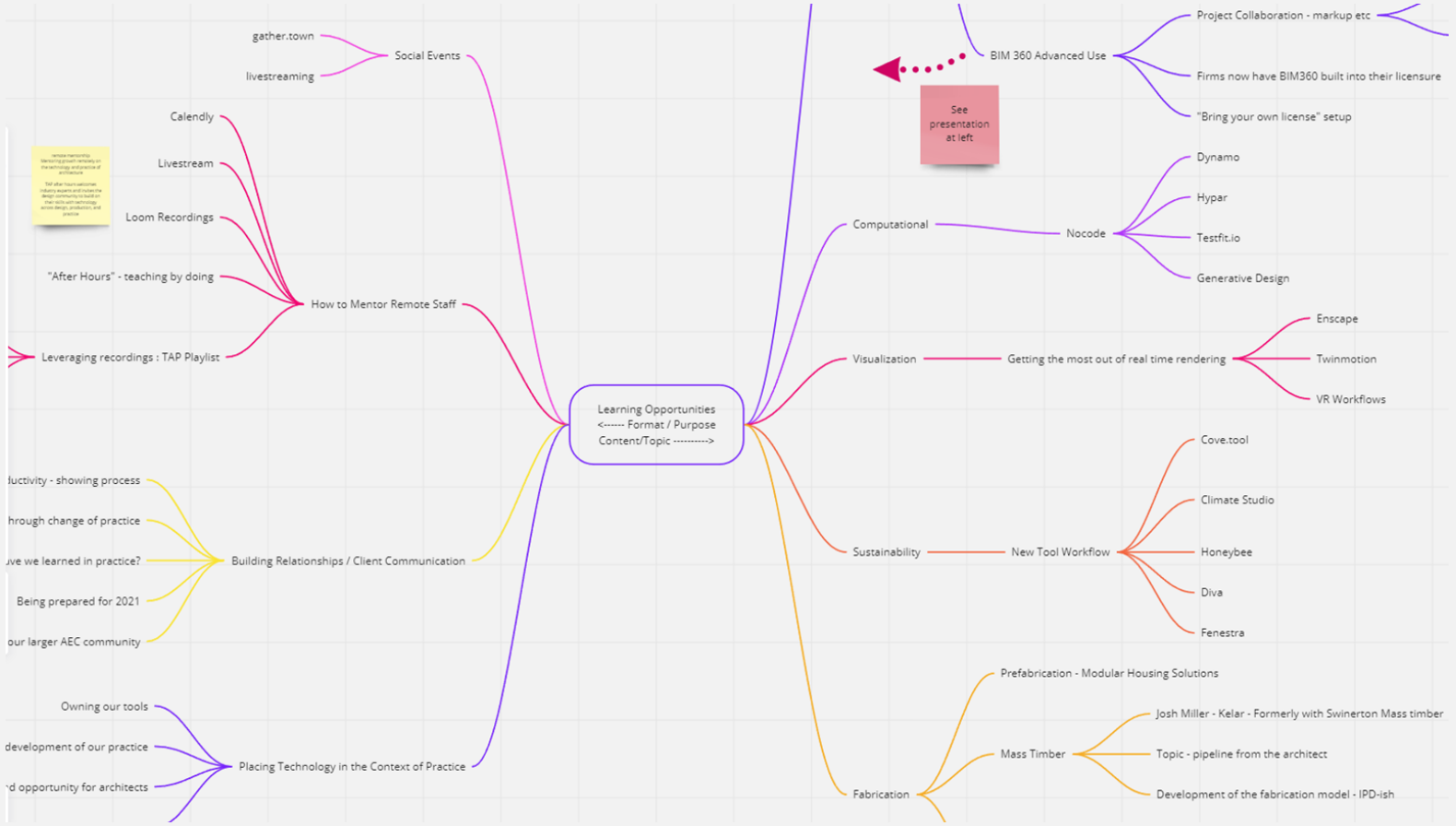
2: Our value is in condensing time through deep consideration



Partnerships can be great generative resources; TAP has key business with every other committee at the AIA.



3: Our assets are our connections and our conversations



The Lesson:

We started out thinking we were a resource of knowledge, it turned out we were a conduit for more precise communication

3: Our assets are our connections and our conversations

Technology can be a fantastic way to talk about process, whether it's high-tech or low-tech.

3: Our assets are our connections and our conversations

Technology is also a natural bridge to make connections to our partners in design and construction. How do the tools we use to share shape the way we collaborate?

How does TAP work in practice?

I've noticed that people might be a little bit anxious about this AI thing. Let's use that as a thought experiment on how TAP is relevant, using these concepts:

1. **Technology is in everything:** while most architectural conversations have been focused on image generation, the most disruptive aspects of machine learning might be in project management, or specifications. **Have we talked with everybody?**

1. **Condensing time:** The signal to noise ratio in "AI" news is awful. **TAP is the only place to get accurate information about how AI is impacting architectural practice, right now,** because the only accurate information is what people are currently doing.

1. **Connections and conversations:** there is absolutely no need to rely on experts to explain the impact of AI tools on our work. The rate of development is such that most of those "experts" are out of touch, anyway. **Peer discourse is the best way to get to the current truth.** We don't need to go outside this room for answers.

AIA TAP | Los Angeles

Local AIA TAP Chapters

May, 9th 2023

What is TAP to us?

- Taking actionable steps to influential technology
- Engaging our Community
- It's about supporting each other and pushing each other to be better
- Driving the Future
- Giving Back

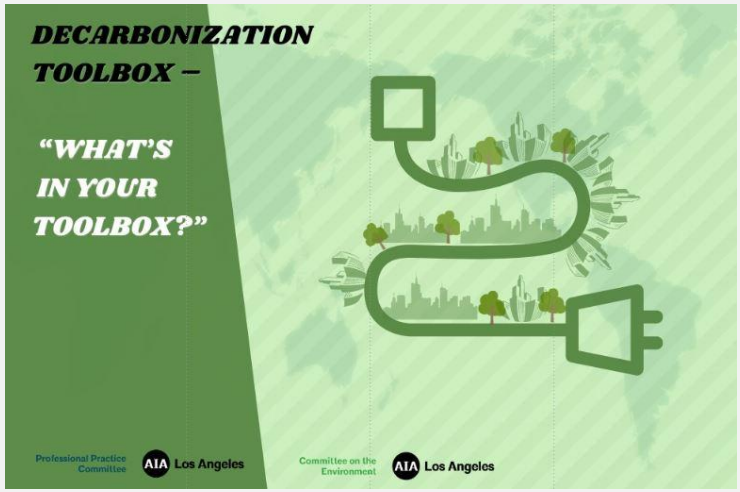
AIA|LA TAP

TECHNOLOGY IN ARCHITECTURAL PRACTICE (TAP) WHAT IS TAP?

-Office
    HARDWARE
-Collaboration
    BIM360/ACC
-Revit
    HELPFUL PLUGINS
-VR/AR
    ENSCAPE, TWINMOTION

DECARBONIZATION TOOLBOX – “WHAT’S IN YOUR TOOLBOX?”

a TAP collaboration with COTE



Tools to get the job done?

How to get your client aware?

How can a small firm get solutions?

Tool Chest

AUTODESK REVIT

WUFI®

AUTODESK® INSIGHT™

ClimateStudio

tally

OpenStudio

Rhinoceros

flixo

SketchUp

miro

ENSCAPE™

epic.

Los Angeles Technology Conference ’23

PEOPLE, PROCESSES, AND PRACTICE: TECHNOLOGY + THE BUSINESS OF DESIGN

-Organized by Practice and TAP Committees

-3rd Annual event, first in person

-5 sessions, followed by 4 breakout rooms

-Brought the firm back to the forefront

Practice Disrupted from Practice of Architecture

episode 105

Evelyn Lee and Je'Nen Chastain

-People are the most important part of any design studio

-Burnout

-Loss of talent

-Successful business models

-Culture

metrics to **RETIRE**

long nights
overworked
under valued
lack of trust
poor communication
disengaged employees
unhealthy competition
scope creep

metrics to **EMBRACE**

values based
built on trust
open & transparent
drives agility
celebrates wins
empowered employees
low turnover
healthy boundaries

A'23 AIA Conference on Architecture 2023
June 7–10, San Francisco

AIA

Troy Barbu

Technology Implementations Case Studies

-Participation from the Top
-Understand ROI Alignment
-Discuss Tactics for Change Management
-Guidelines to create and execute a Corporate Training Initiative

Jason Rostar

Automate the Mundane

How quickly does this work? *Less than an hour*

Test Project

(4) Disciplines
- Structural
- Architecture
- Mechanical
- Electrical

(59) Levels
- 55 Levels Above Grade
- 4 Levels Below Grade

Results

6,962 Views
- w/ View Templates
- Organized & Named
- Cropped by Scope Box

2,313 Sheets
- Named & Numbered
- w/ Sheet Notes & Legends
- w/ Plan Views placed

-Automation of tasks
-Project setup (Revit)
    consultants
    sheets
    views
-New interfaces and infrastructure

Leo Salce

Demystifying AI for A&E

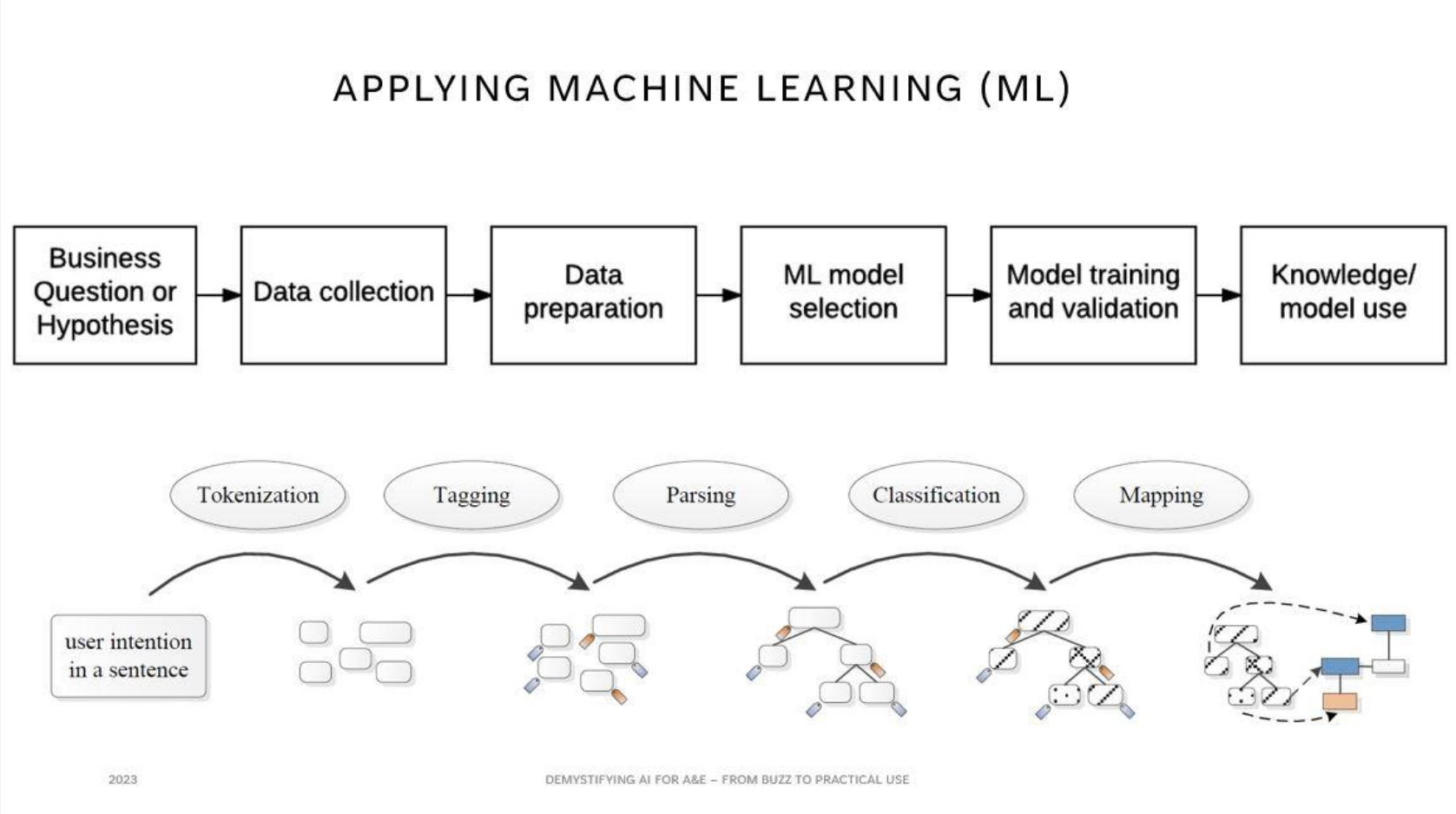
-AI Overview & Subsets
- ChatGTP

-Practical Applications
- Space Planning
- PowerBI

-Case Studies
- Language translation

-Generative AI
- Midjourney

-Future Predictions
- Text to…



AIA/LA TAP

DESIGNING WITH DATA: THE TRANSFORMATIVE POTENTIAL OF AI ON ARCHITECTURAL PRACTICE

-Office Headset

NOISE ISOLATING VS NOISE CANCELLING

-Meeting Notes

FIREFLIES

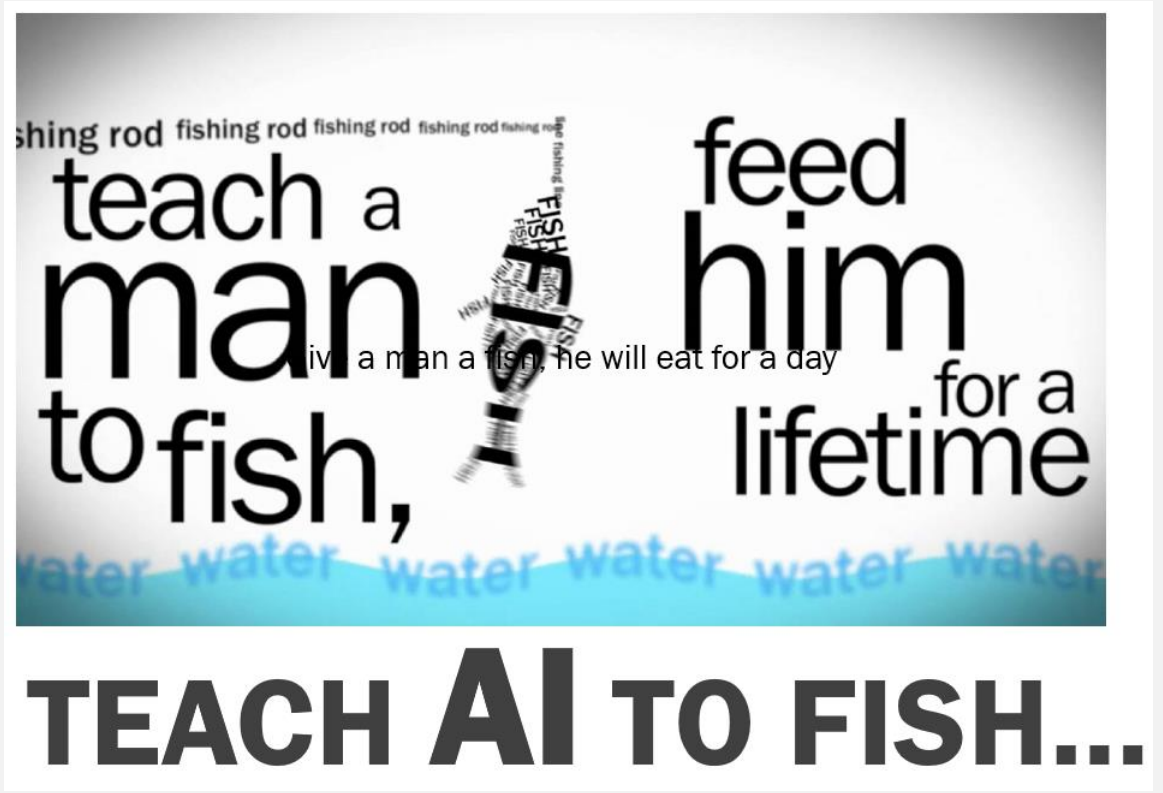
OTTER

-Visuals

DALL-E, MIDJOURNEY, DRAGGAN, PHOTOSHOP

-Office Tasks

CO-PILOT, CHAT GPT



AIA|LA TAP

Brian Skowvron, Assoc. AIA
Director of Design Technology
Senior Associate
Gruen Associates

Chunxiao Wang, AIA, LEED AP
Project Architect
Associate
AXIS/GFA Architecture + Design

Thesla Collier, IA.AIA, CSI CDT
Studio Design Technology Manager
Senior Associate
Gensler

Josh Weiss
Director of Operations & Security
Logic TCG

Sam Keville
Studio BIM Leader
NBBJ

Nicole Buhles, Assoc. AIA, CM-BIM
Practice Technology Leader
Associate
HED

Alex Ault
Senior BIM Specialist
JBB

Melvin Williams, III
Regional Practice Technology Leader
Associate
HKS

Mallary White,
Vice President of Consulting – West Coast
Microdesk

A'23 AIA Conference on Architecture 2023
June 7–10, San Francisco

AIA

AIA TAP | Chicago

Local AIA TAP Chapters

June, 9th 2023

AIA Chicago TAP

3 Tracks / 2 Committee Members per Track →

AIA Chicago Technology in Architectural Practice (TAP)

Studio Software:	Technology Management:	Advanced Technology:
Mark Schmieding	David Ivey	Anthony Viola
Darya Stefanovic	Katy Liang	Hiram Rodriguez

Schedule 2023

January	February	March
	Webinar (SS) BIM Tips for Small Firms - Feb. 28th	TAP Open Planning Meeting @ (Office?) Mar. 21
April	**May**	**June**
Webinar (TM) AI In Architecture Apr 18th	Orbital Stack Tues, May 23rd noon	TAP Networking Event Next/Now Office Thursday, June 22th
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October	**November**	**December**
TAP Symposium CAC Space ? Oct. 24/25	Webinar (SS) Topic? Nov 21st	

AIA Chicago TAP Sponsor benefits:

- Recognition on the AIA Chicago TAP webpage
- Recognition on designated event communications (where applicable)
- Recognition at each event and/or activity
- Two complimentary tickets to events (where applicable)
- Market sector exclusivity for the designated TAP Sponsors

A'23 AIA Conference on Architecture 2023
June 7–10, San Francisco

AIA Chicago TAP

Studio Software

Studio Software
Mark Schmieding, FAIA
Goettsch Partners

Studio Software
Darya Stefanovic, AIA
JGMA

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AIA Chicago TAP

Technology Management

Technology Management
David Ivey,
HOK

Technology Management
Katy Liang, AIA
SmithGroup

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June 7–10, San Francisco

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Darya Stefanovic

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AIA Chicago TAP

Advanced Technology

Advanced Technologies
Anthony Viola, AIA
Adrian Smith + Gordon Gill Architecture

Advanced Technologies
Hiram Rodriguez,
Gensler

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June 7–10, San Francisco

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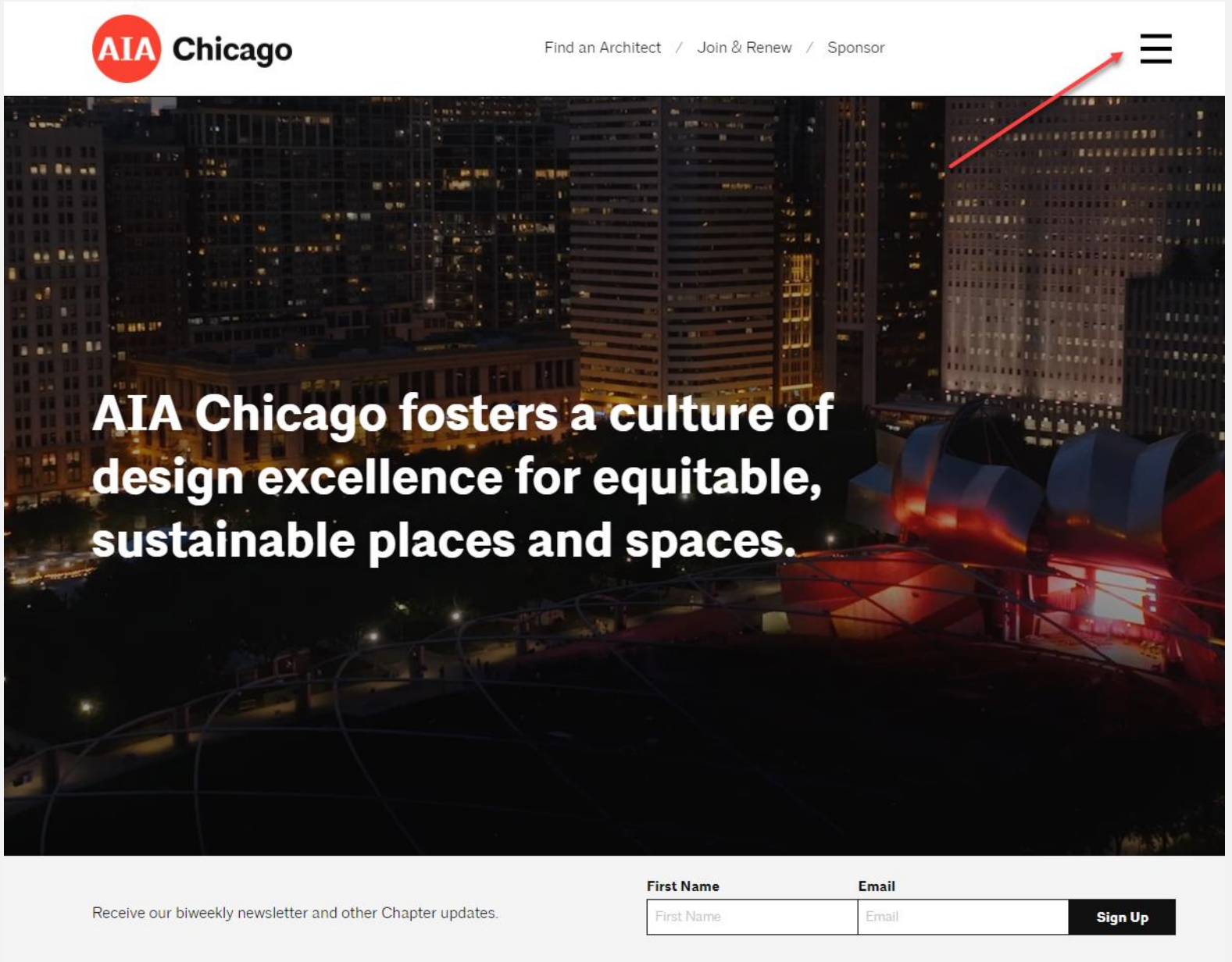
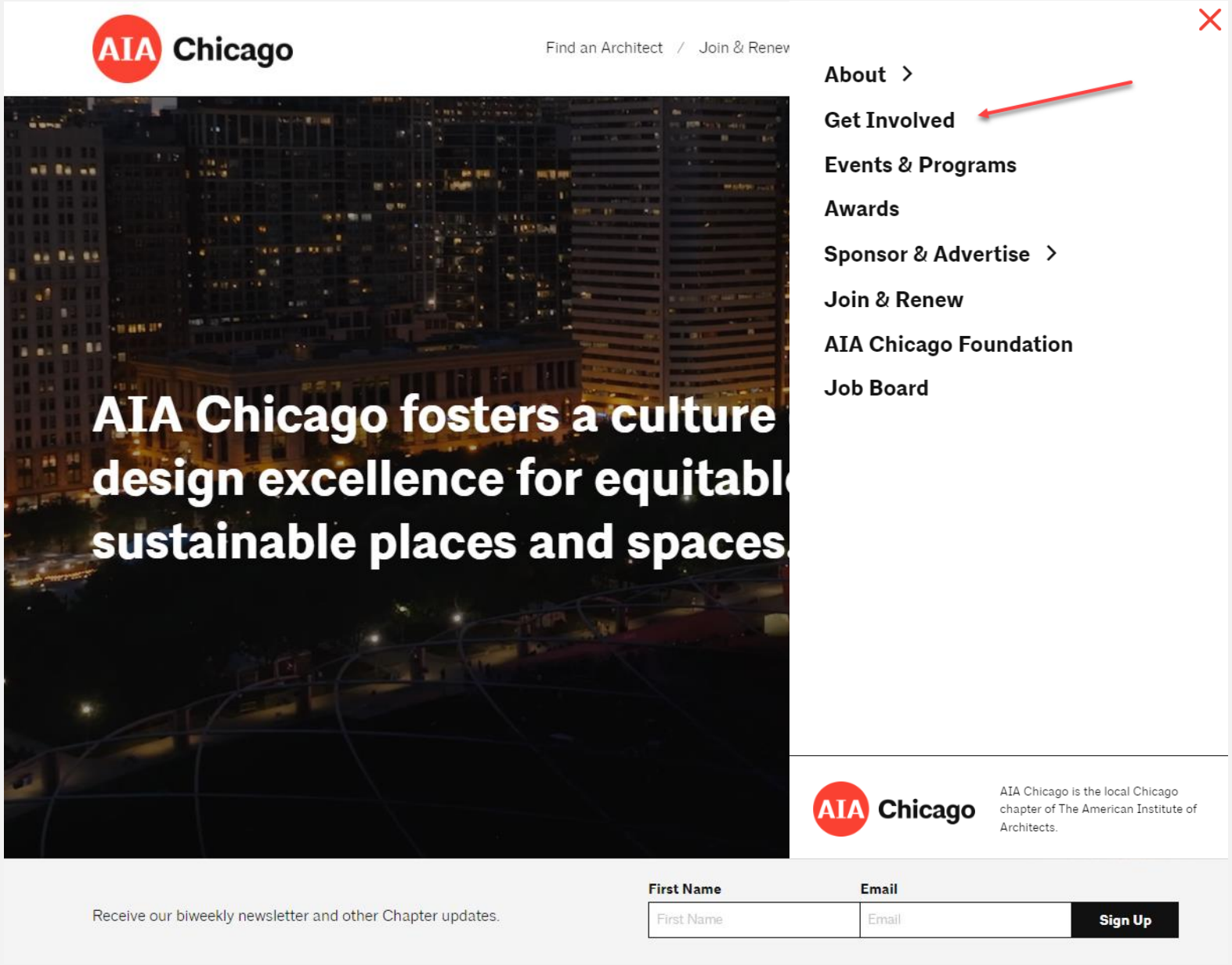
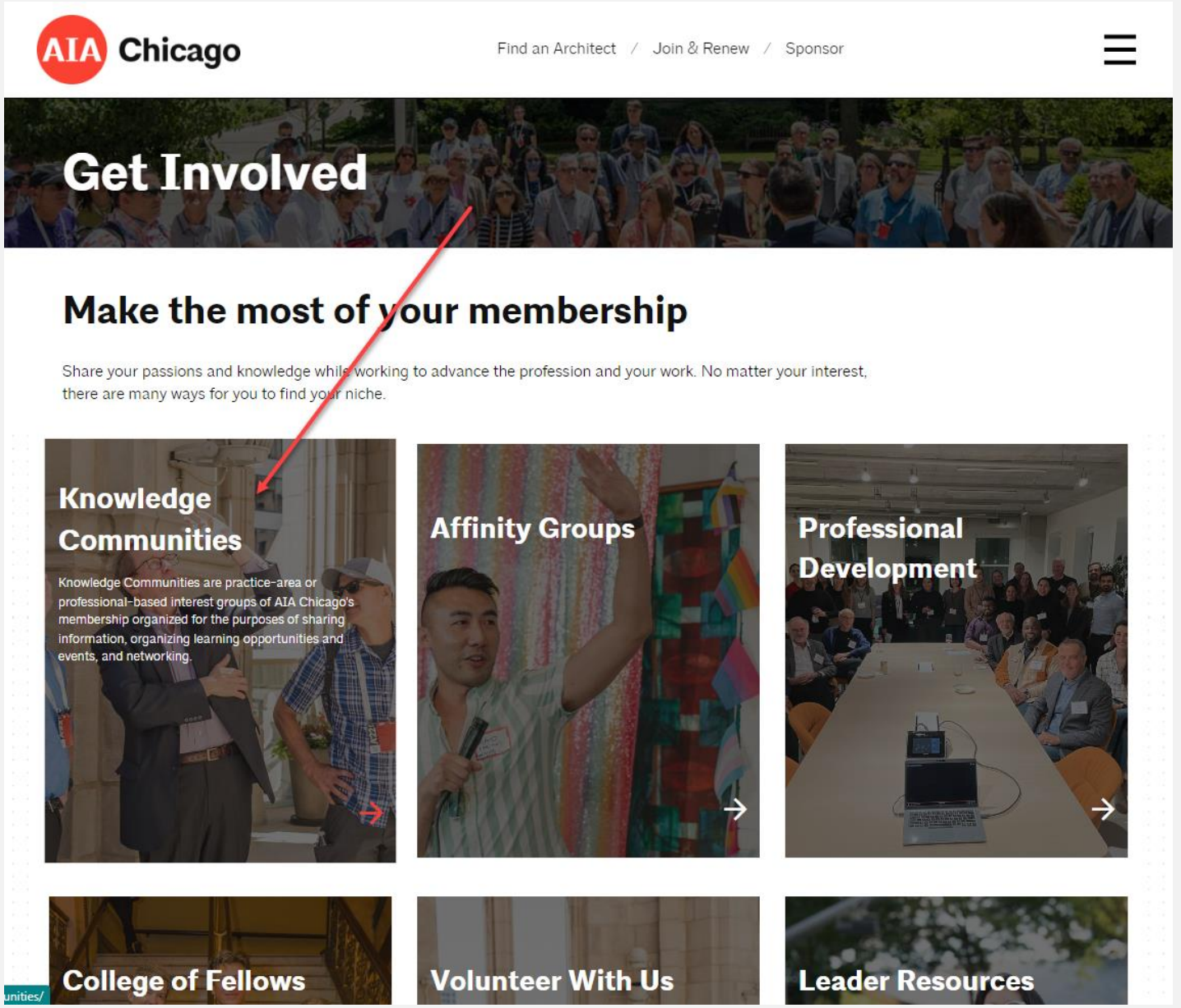
AIA Chicago TAP



AIA Chicago TAP



AIA Chicago TAP



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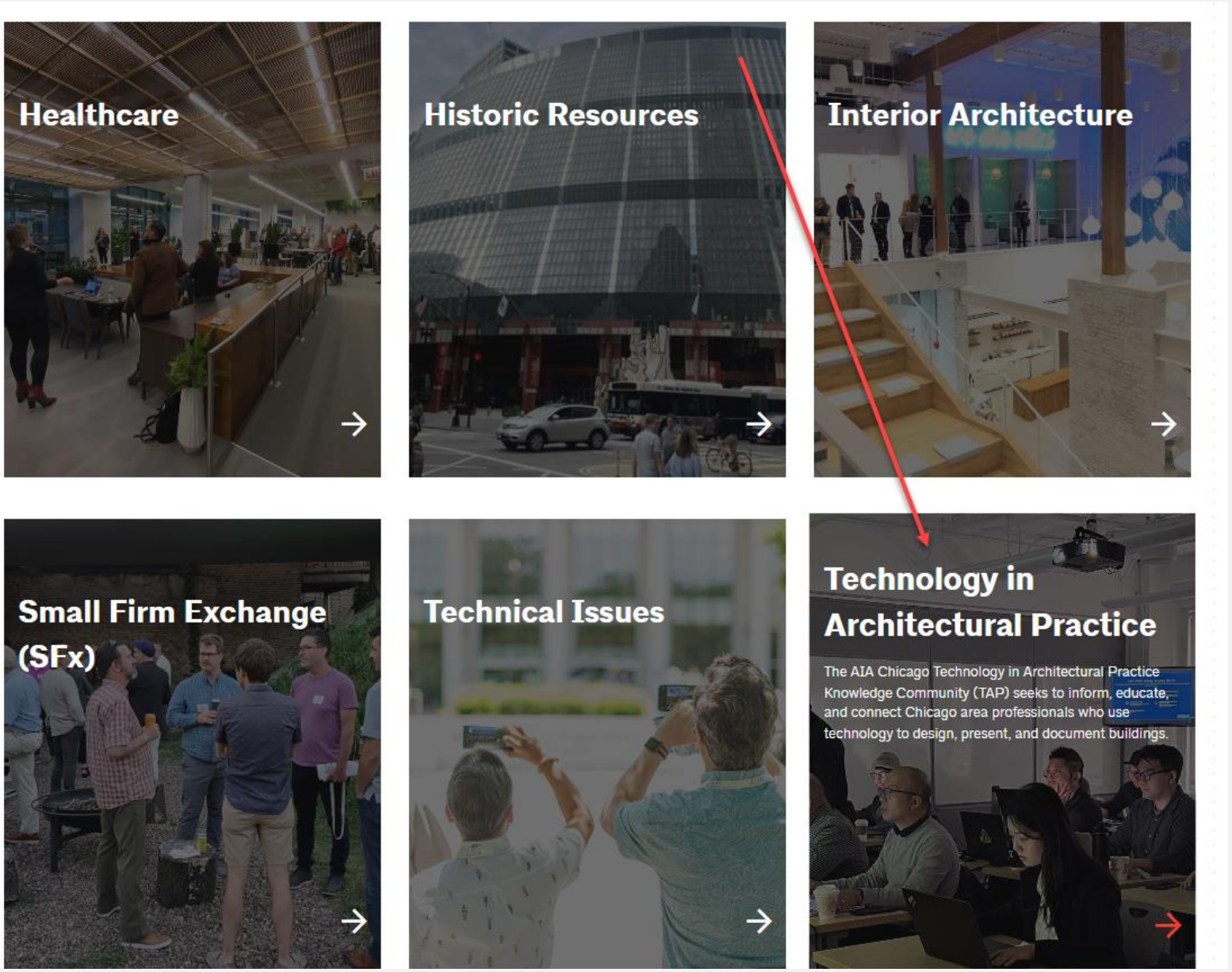

AIA Chicago TAP

Technology in Architectural Practice Knowledge Community

The AIA Chicago Technology in Architectural Practice Knowledge Community (TAP) seeks to inform, educate, and connect Chicago area professionals who use technology to design, present, and document buildings. It is divided into three areas of focus: Software Solutions, Technology Management, and Advanced Technologies.

TAP YouTube | TAP LinkedIn Group

Sign up to receive updates and event information from the Technology in Architectural Practice Knowledge Community.

First Name **Email**

First Name | Email | Sign Up

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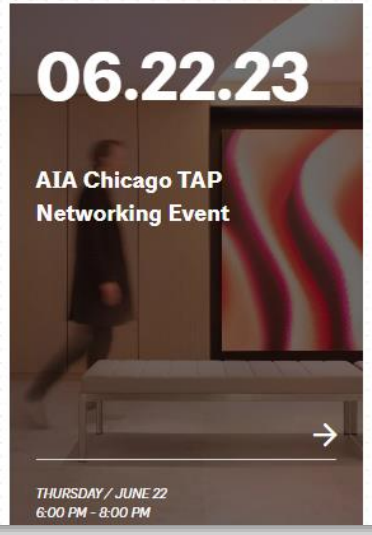
TAP YouTube

TAP LinkedIn Group

Upcoming TAP Events



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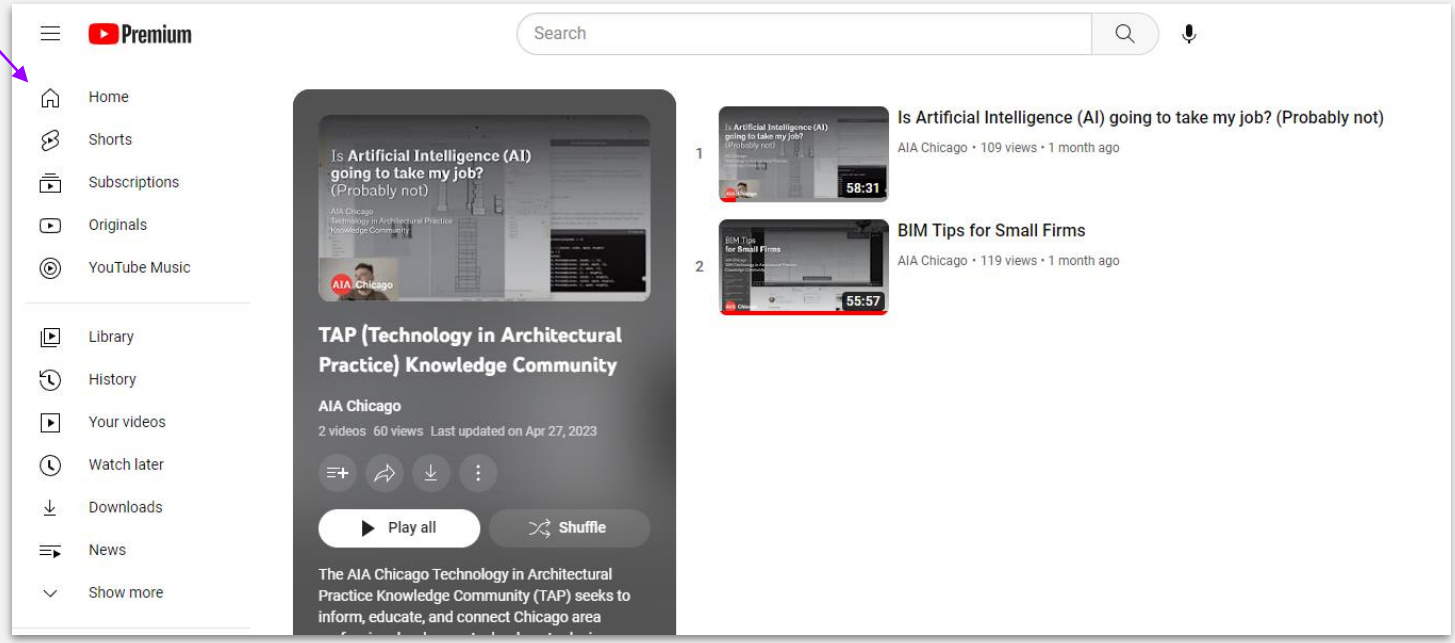
TAP LinkedIn Group



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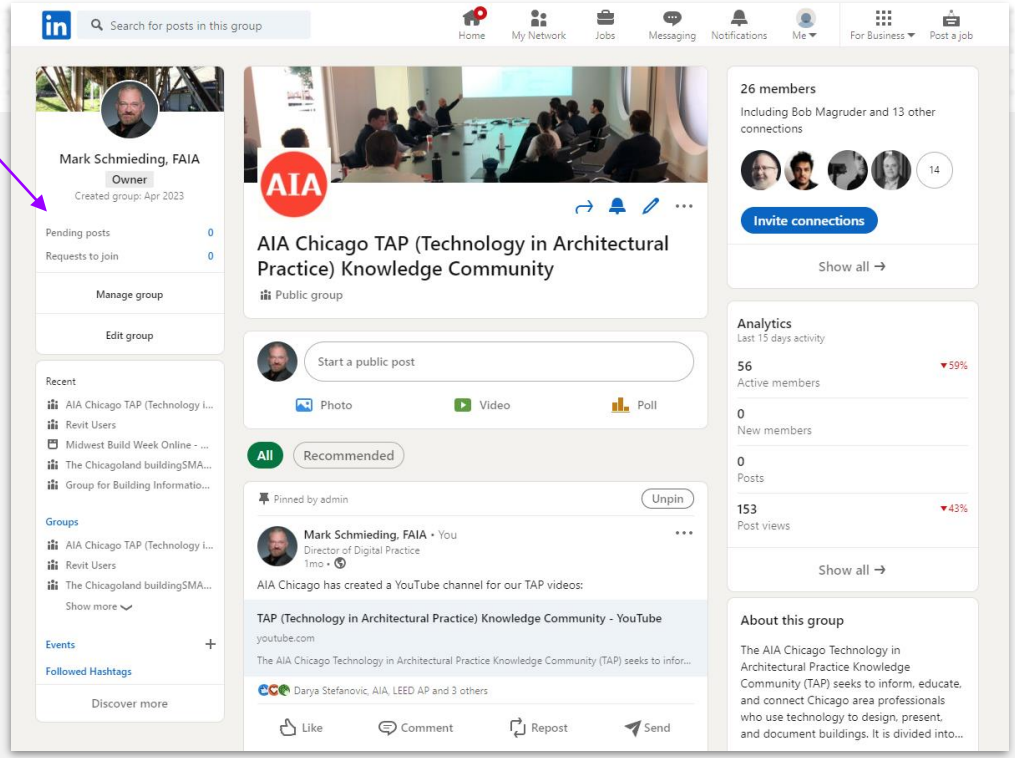

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TAP YouTube

TAP LinkedIn Group

AIA Chicago TAP
Annual Sponsor

ideate software

AIA TAP | Boston

Local AIA TAP Chapters

May, 9th 2023

BSA Knowledge Community

BSA

A'23 AIA Conference on Architecture 2023
June 7–10, San Francisco

AIA

BSA Knowledge Community

Access Committee
Administration and HR Network
AIA Massachusetts Government Affairs Committee
BosNOMA
BSA/SCUP College and University Roundtable
Building Enclosure Council
Carbon Leadership Forum (CLF) Boston
Codes Committee
Committee on the Environment (COTE)
Cultural Facilities Network
Design for Aging Committee
Design Visualization
Emerging Professionals Network (EPNet)
Equity, Diversity, and Inclusion (EDI) Network
Finance & Operations Network
Global Design Initiative for Refugee Children
Global Practice Network
Healthcare Facilities Committee
Historic Resources Committee
Housing Committee
IT Wizards
K-12 Educational Design
LGBTQ Network
MakeTANK
Marketing/PR Network
MKR|MGR
Open Architecture Collaborative Boston
Passive House Massachusetts
Placemaking Network
Project Management Roundtable
Residential Design Committee
Revit Users Group
Small Practices Network
Sustainability Education Committee
Urban Design Committee
Women in Design (WiD)
Women Principals Group

BSA Knowledge Community

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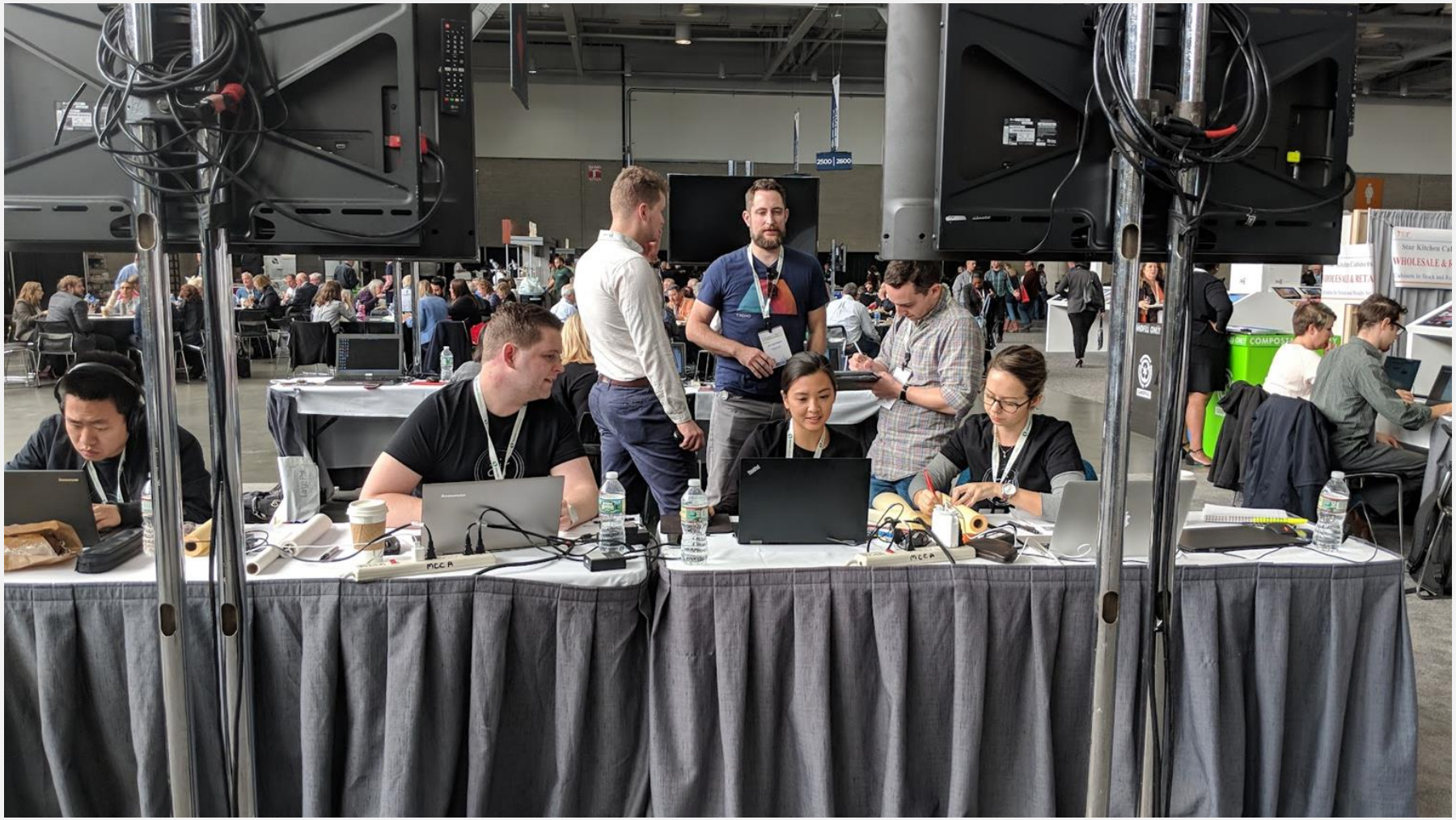

BSA Knowledge Community

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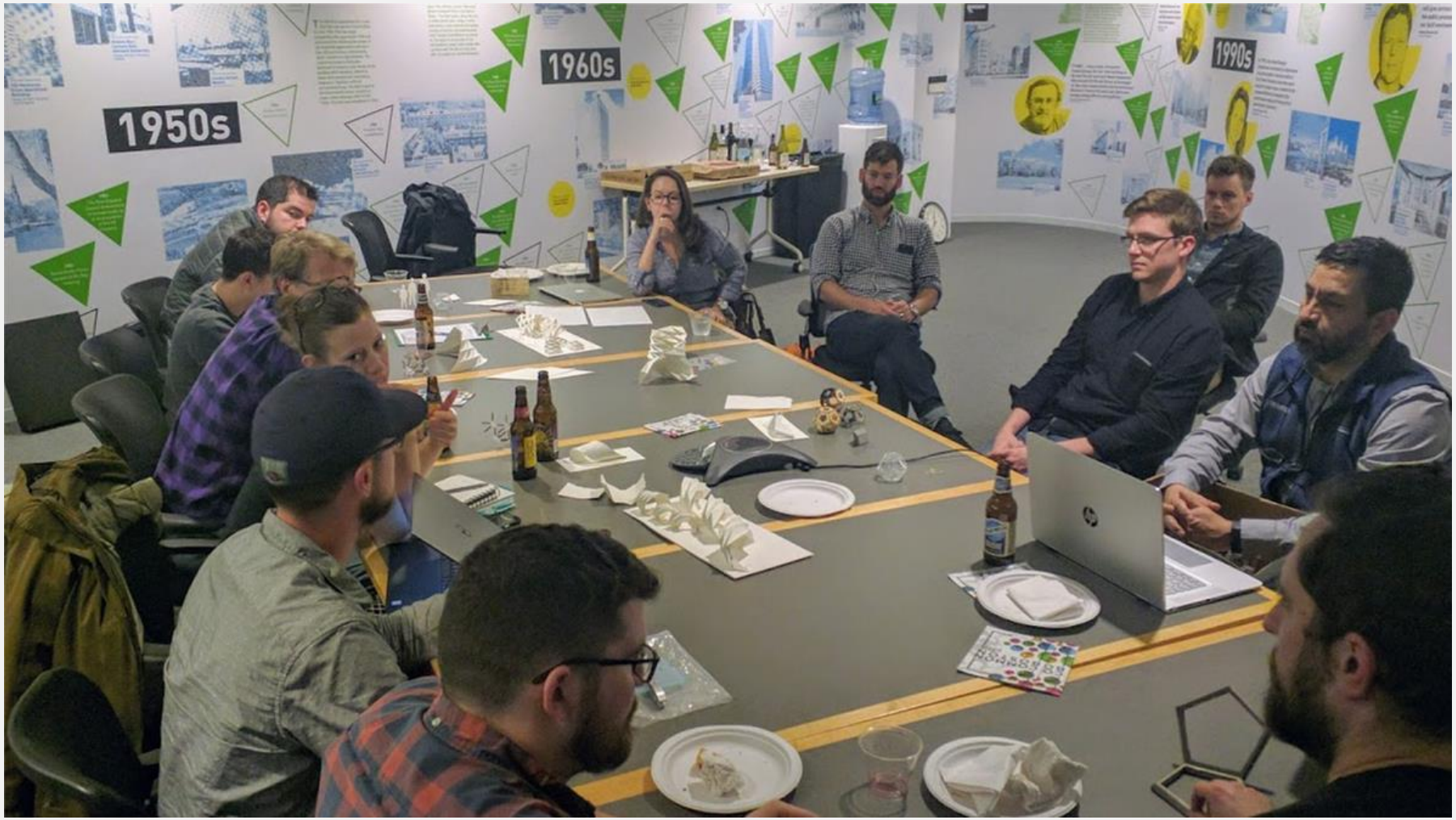

BSA Knowledge Community

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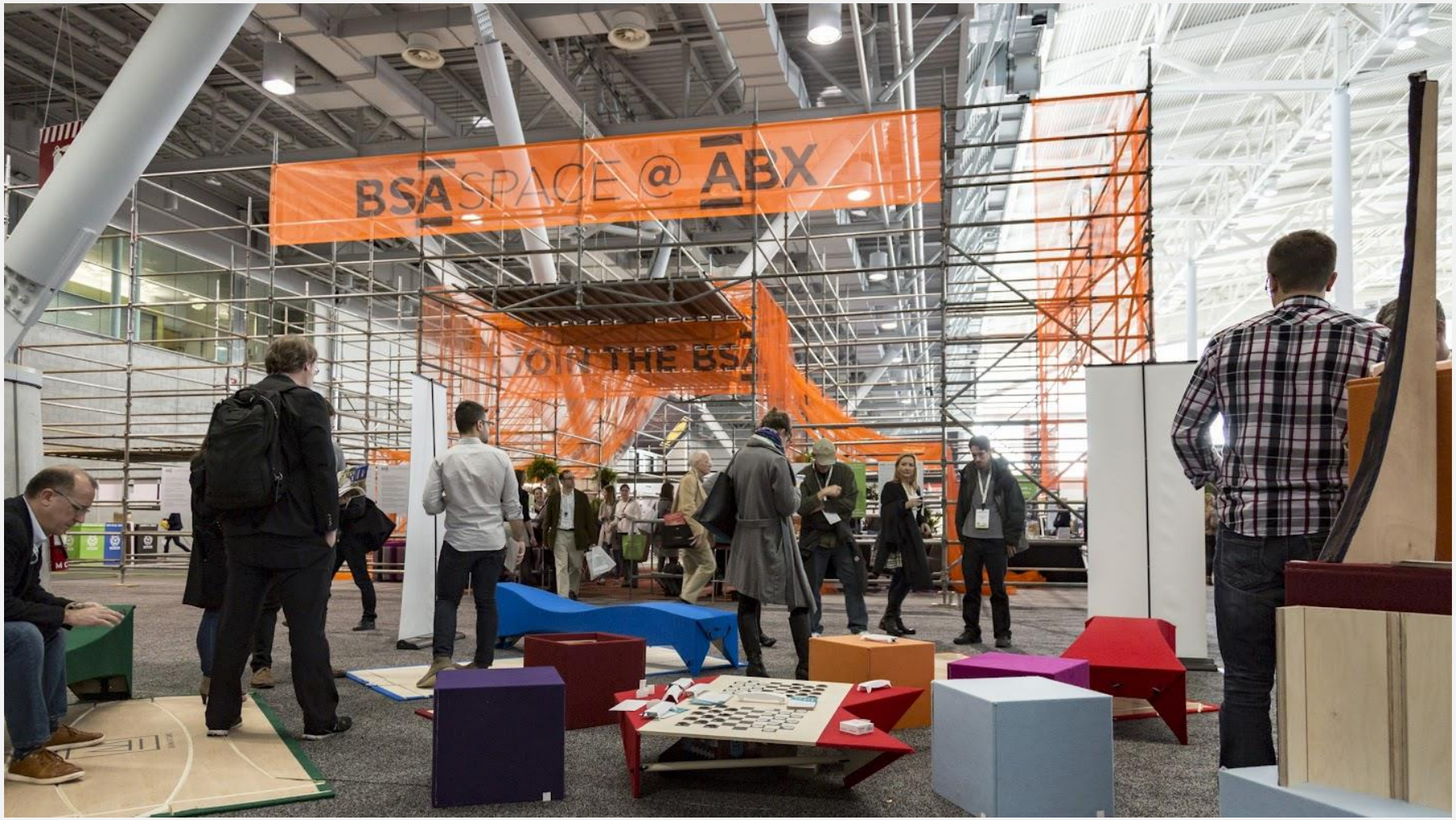

BSA Knowledge Community

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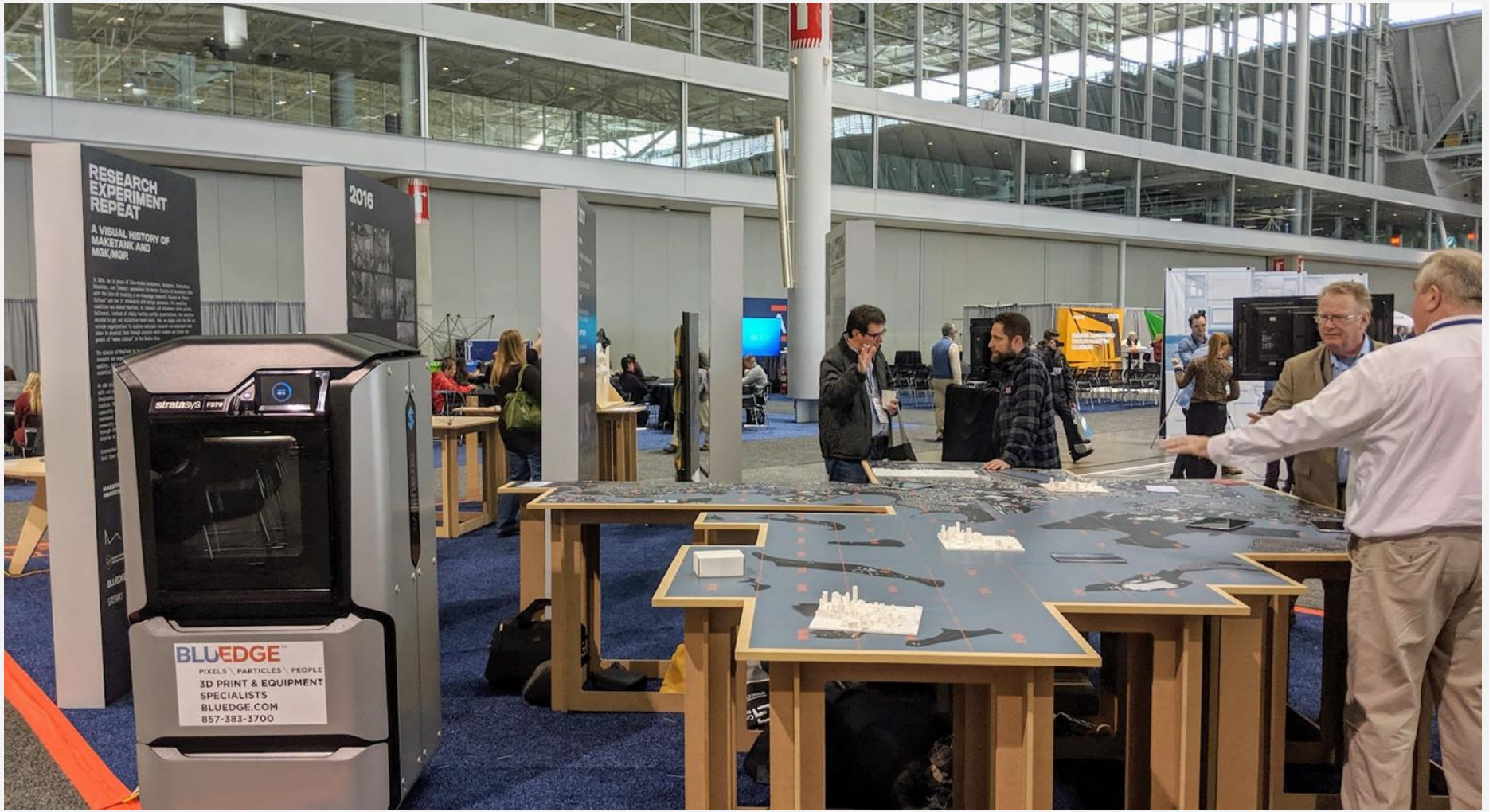


BSA Knowledge Community

BSA Knowledge Community

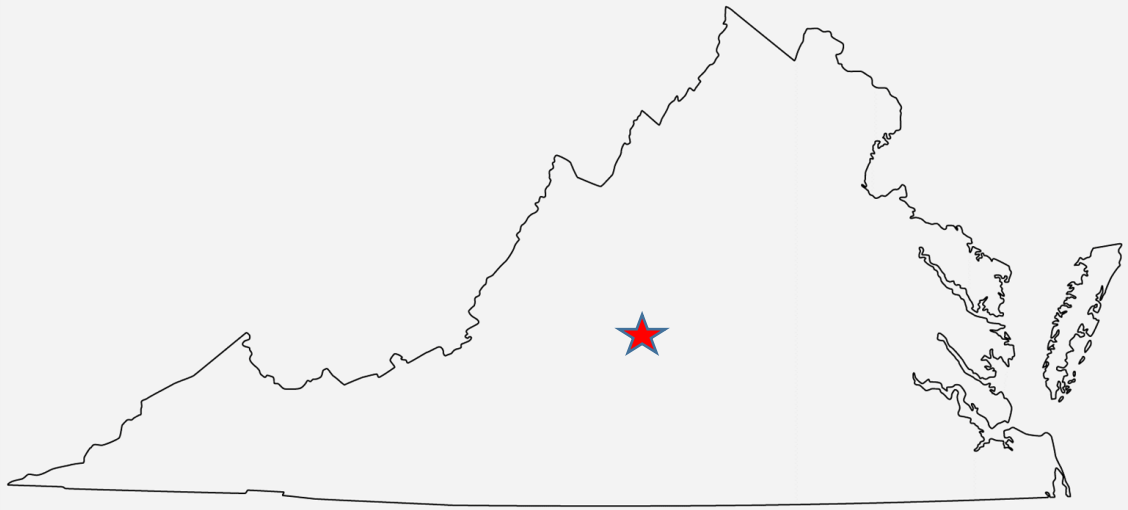
AIA TAP | Central Virginia

Local AIA TAP Chapters

May, 9th 2023

Central Virginia AIA TAP Committee

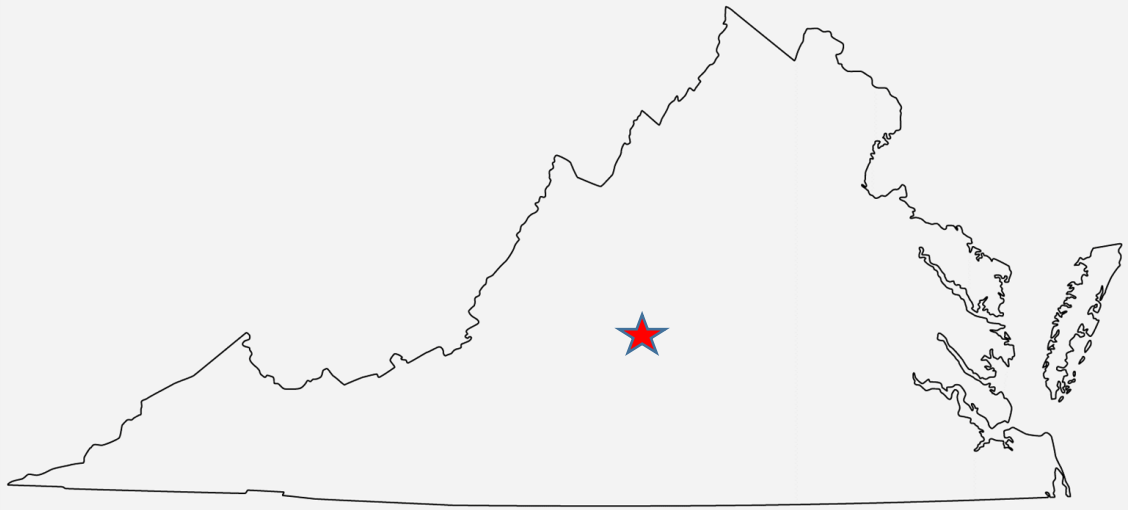
The AIA CV TAP Committee provides 6 of the 18 required CEUs for the Central Virginia component each year, helping them maintain their status as a CEU provider in a partnership with the Charlottesville Revit User Group.



(despite its name, C'ville RUG covers all technology topics in the AEC industry. Typical topics: parametric components, visualization tools, content management, consultant coordination, AR/VR, scripting, energy analysis, drafting tools, etc.)

Central Virginia AIA TAP Committee

AIA CV TAP is currently organizing a special event on Carbon/LCA Tools in partnership with C’ville RUG and the AIA VA COTE Committee where a mobile learning lab will provide access to test LCA software packages in a workshop environment. The goal is to develop an event program which other AIA VA components can repeat in their communities.



Tips for Success

- Form partnerships with other local groups to promote one another's events.
- Send follow-up surveys to gather feedback and be sure to implement suggestions.
- Provide content that boosts skills attendees can go back to the office and use right away.
- Provide content across a wide range of skill level – welcoming newcomers while keeping seasoned members interested.
- Create a community vibe where more experienced members share their knowledge with others.

Contact Information

To learn or share more tips for successful TAP events in your compon
would like to host a mobile lab Carbon/LCA Tools workshop, **contact**

William Abrahamson – wabrahamson@gparch.com

Senior Associate, Grimm + Parker Architects

Bethany Pritchard – pritchard@vmdo.com

Director of Design Technology, VMDO Architects

AIA TAP | AEC+Tech

Local AIA TAP Chapters

May, 9th 2023

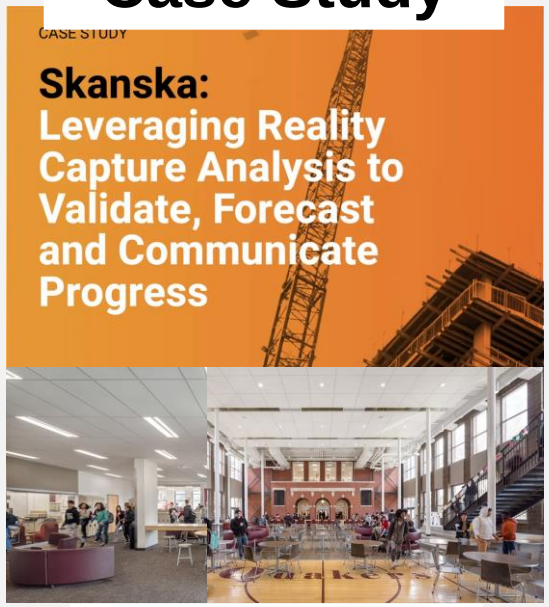
Community-driven database

Solution

AVVIR
Software & app for creating digital twin with real-time updates

Digital Twin | Clash Detection

Project Case Study



End User

SKANSKA
Skanska is a world leading project development and construction group.

?

800k
AEC firms

5000+
AEC Tech solutions

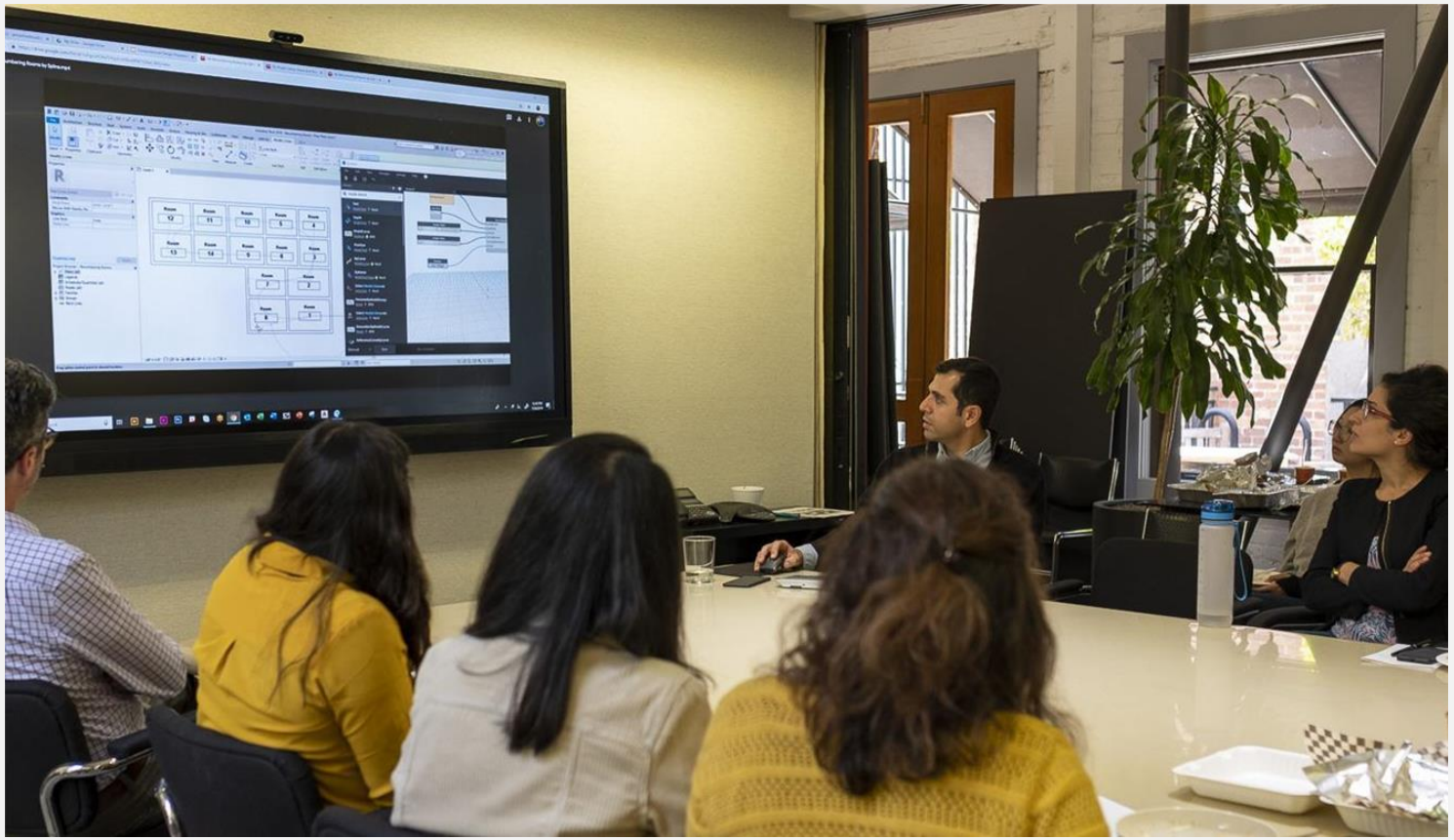
2% one or more in-house tech specialists

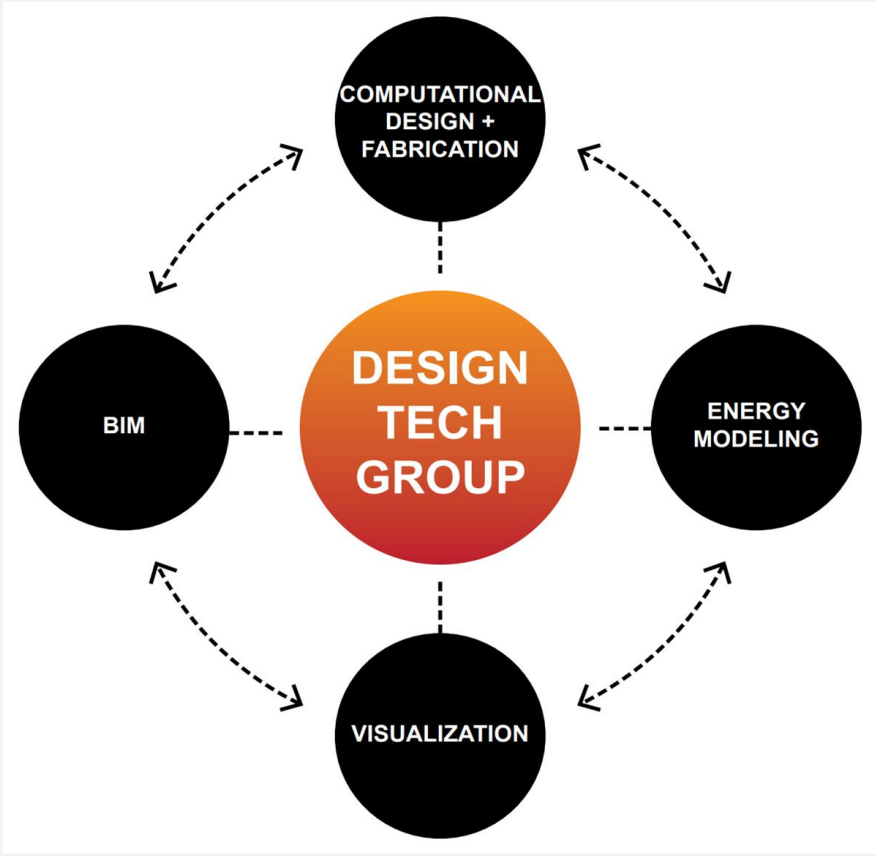
4% Go to conferences & Events

30% Use social media & Google

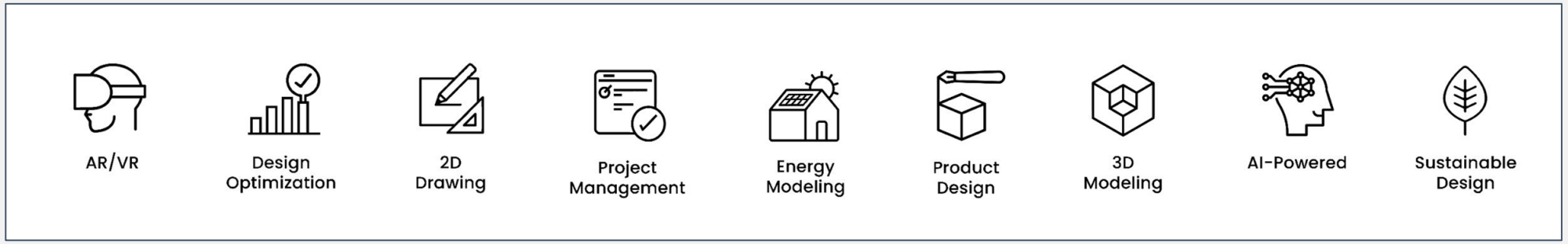
64% through colleagues & friends

Tech discovery process

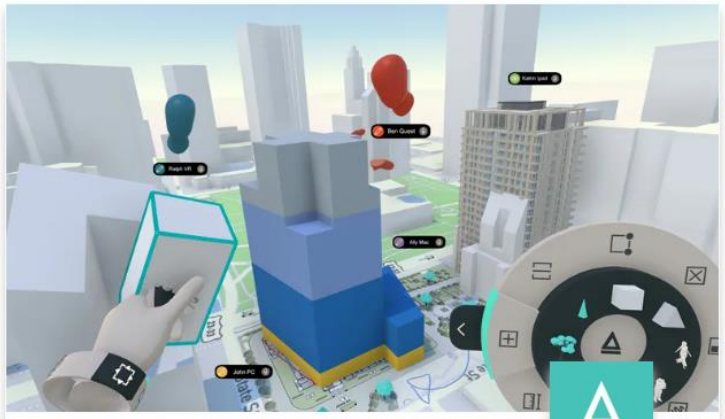




Tool Category



Real-time Collaboration



ARKIO

Arkio is a collaborative design tool to design buildings, urban plans and interiors together using VR, desktop...

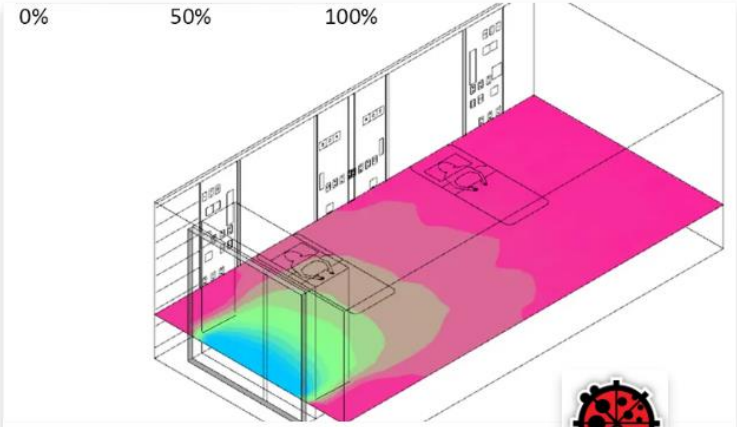
View Page

SPACEFORM

SpaceForm is an immersive platform to communicate complex projects to the most demanding clients in the...

View Page

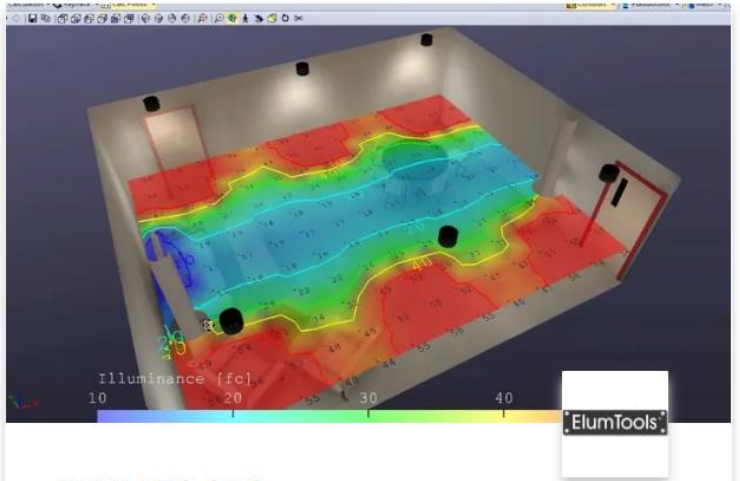
Energy Modeling



LADYBUG

Ladybug Tools is a collection of free computer applications that support environmental design and education...

View Page



ELUMTOOLS

ElumTools® is the first (and only) fully integrated lighting calculation add-in for Autodesk® Revit®. ElumTools is...

View Page

Industry (technology end users)

nbbj

Hines

BIG

WRNS STUDIO

walter p moore

ANTONIO CITTERIO PATRICIA VIEL
BUILDINGS. INTERIORS. PUBLIC SPACES.

ARUP

Architecture

Construction

Engineering

Product design

Interior design

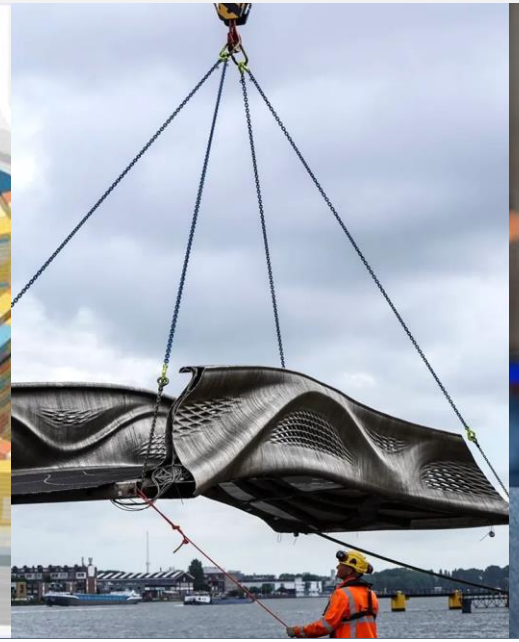
Real estate

Landscape design

Manufacturing

Marketing & Finance

Project type



Mixed Use

Residential

Healthcare

Sports/
Entertainment

Urban Design

Cultural/
Civic

Transportation

Commercial/
Corporate

Hospitality

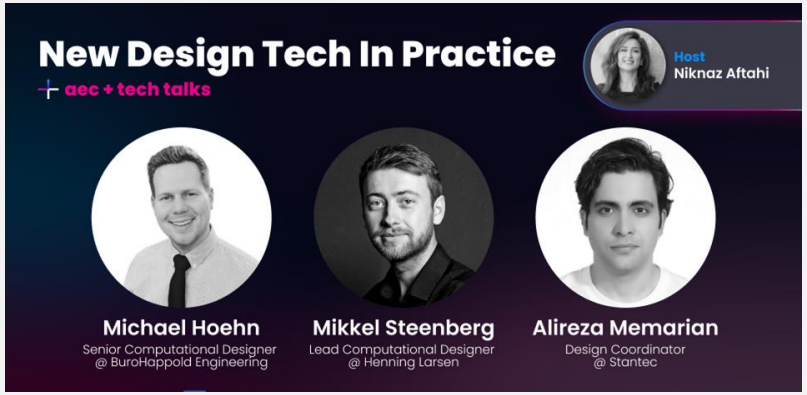
Some of the right questions to ask

- Main problems the solution solves
- Integration with your existing tech stack
- Features / Functionalities
- User-friendliness (accessible to both technical and non-technical users)
- Pricing (licensing fees, implementation, training, and ongoing support)
- Reliability and customer support
- Training duration, and available resources to help users learn and troubleshoot?
- software update frequency / upgrade process
- Security measures to protect your data

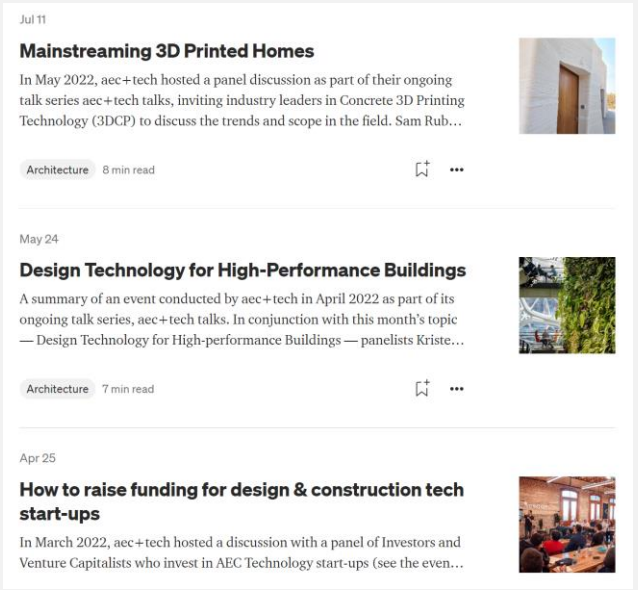
Mapping your workflow and techstack

- Software you currently use for each phase of design/construction
- Pros and Cons of each
- Extra features you need
- How do you stay ahead in discovering and implementing the best tools if there is no innovation team or activity designed into your operations
- How do you assign your annual budget for new tools/tech
- How do you measure your RIO?

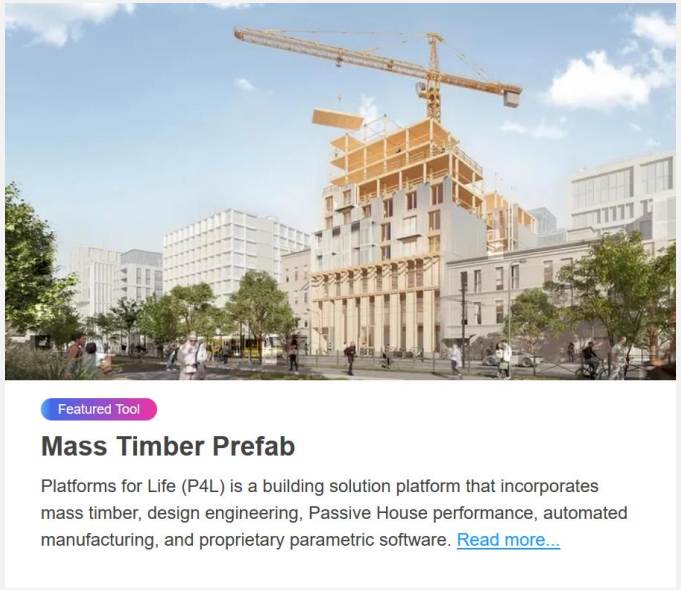
Community Aspect



aec+tech monthly talks covering tech in practice



Reviews of latest tools and trends



Monthly newsletter featuring the latest tools

Q/A?

A'23 A'23 A'23

GET INVOLVED! AIA TAP

JUNE 7-10
SAN FRANCISCO
THANK YOU!
AIA