

<<Rewind, >Play, >>Fast Forward

What's Happened and What's Next for AIA/TAP



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Agenda

<<REWIND

(Looking Back at 2011)

>PLAY

(Today's TAP)

>>FAST FORWARD

(Looking Ahead through 2012)



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<<Rewind, >Play, >>Fast Forward

<<REWIND

(2011)



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<<Rewind (2011)

- Monthly TAP Webinars
- BIMForum San Diego
- AIA BIM Awards
- TAP Revolution @ AIA National Convention (NOLA)
- Faster Forward (TAP Hybrid Conference) @ Build Boston
- Building Connections Congress
- Ecobuild America
- Local TAP Activities



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<<Rewind (2011)

- **Monthly TAP Webinars**

January – *What is TAP?*

February – *BIM Awards*

April – *Integrated Performance-Based Modeling for Enclosures*

May – *TAP Revolution @ AIA NOLA*

June – *Owners' Needs and BIM Standards*

July – *Extreme BIM Live from USC*

September – *Award Winning BIM*

October – *BIM for Small Projects*

November – *Faster Forward @ Build Boston*



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<<Rewind (2011)

- Monthly TAP Webinars
- **BIMForum San Diego**



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<<Rewind (2011)

- Monthly Townhall Webinars
- BIMForum San Diego
- **AIA BIM Awards**



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AIA TECHNOLOGY IN ARCHITECTURAL PRACTICE7TH ANNUAL BUILDING INFORMATION MODELING (BIM) AWARDS2011

2011 BIM Awards

7th Annual

The AIA Technology in Architectural Practice (TAP) presents its 7th Annual Building Information Modeling (BIM) Awards honoring projects that have used technology as a mechanism to bridge the gap between people and processes.

The 2011 Awards reveal how BIM is advancing from a pure tool to a catalyst of a more collaborative design and construction process. Energy efficiency, sustainability, program analysis, metadata exchange and design-to-fabrications are some of the attributes of this year's submissions.

See www.aia.org/tap for more of the collaborative efforts embodied by this year's award recipients and compare them to winners from previous years.

Towards Collaboration

by **Luciana Burdi, Michael Schroeder**

After seven years of the AIA TAP BIM Awards, the jury noticed a major shift towards a more collaborative use of BIM. Submissions underlined how BIM has facilitated interactions among disciplines. Architects and consultants teamed up and engaged with the construction managers or General Contractors. Owners became highly involved in exploring and mining future benefits that BIM approaches profess.

This does not only apply to large firms and large projects. The same benefits have been found in projects submitted in the "small firms" category. Even though there were not many submissions in this category, the level of BIM development is nearly identical with large firm projects. Boasting projects with extensive BIM uses, high level of detail and committed participation from stakeholders these small firms are reinforcing the same patterns as their larger firm cousins.

Consistent among all submission categories were references to IPD and Lean. Proponents of IPD see the current contract practices that encourage shedding risk and self protection as the primary barriers to improved project performance through better collaboration. The main goals of IPD are to align project objectives and create a collaborative, cross-functional team to maximize project value for all stakeholders.

continued on back cover >

2011 CIRCLE MEMBERS OF
AIA TECHNOLOGY IN ARCHITECTURAL PRACTICE

GRAPHISOFT.



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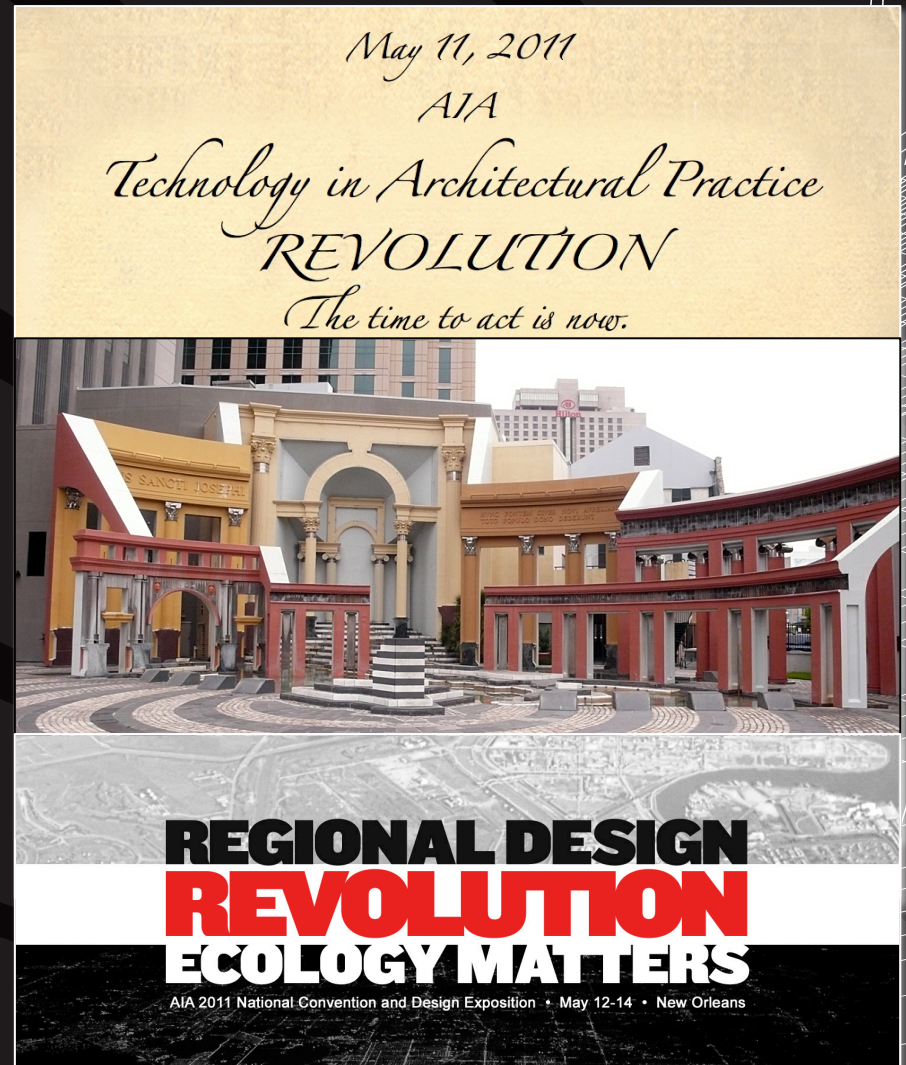
<<Rewind (2011)

- Monthly Townhall Webinars
- BIMForum San Diego
- AIA BIM Awards
- **TAP Revolution @ AIA National Convention (NOLA)**



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<<Rewind (2011)

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- **Faster Forward (TAP Hybrid Conference) @ Build Boston**



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The poster for the Faster Forward 2011 conference has a blue background with a white architectural wireframe of a building on the right side. At the top left is the AIA TAP logo. The title 'Faster Forward 2011' is in large, bold, red letters. Below the title, the text 'The Second Annual Technology in Architectural Practice National Multi-Venue Hybrid Conference' and the date 'November 17, 2011' are in smaller red font. A paragraph describes the conference as a unique opportunity to get an up-to-date overview of technologies transforming the building industry. Another paragraph states that the conference will be webcast in an interactive format. A third paragraph encourages learning about the latest developments in technology. A bulleted list of topics includes Data / Information / Knowledge Management, Cloud Computing, Communication technologies and social media mythologies, Decision management, Integrated Project Delivery, Virtual Design & Construction, Open BIM & Interoperability, BIM-based code review, Managing Change to new practices, and Facility instrumentation, sensors, & reporting, building system management & environmental controls. At the bottom, it says 'Attend the conference in person or on the web from your own computer or at a local venue if one is planned for your vicinity. AIA members can earn up to 7.5 LU's. Click on the link below to learn more!' and a yellow button with the text 'Faster Forward' is at the bottom right.

Faster Forward 2011

The Second Annual Technology in Architectural Practice National Multi-Venue Hybrid Conference
November 17, 2011

Faster Forward is a unique opportunity to get an up-to-date overview of a broad range of technologies that are transforming the building industry, presented by leading experts in the field.

Faster Forward will be webcast in an interactive format that will allow participants anywhere in the country to view the presentations and ask questions of the presenters. Additional content presented at local venues will also be available to all attendees.

Learn about the latest developments in technology that affect your work from the comfort of your own computer or local venue! Presentations by national and international experts will address such topics as:

- Data / Information / Knowledge Management
- Cloud Computing
- Communication technologies and social media mythologies
- Decision management
- Integrated Project Delivery
- Virtual Design & Construction
- Open BIM & Interoperability
- BIM-based code review
- Managing Change to new practices
- Facility instrumentation, sensors, & reporting, building system management & environmental controls

Attend the conference in person or on the web from your own computer or at a local venue if one is planned for your vicinity. AIA members can earn up to 7.5 LU's. Click on the link below to learn more!

Faster Forward

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<<Rewind (2011)

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- **Building Connections Congress**



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- Building Connections Congress
- **Ecobuild America**



Technology in
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<http://aia.org/TAP>

S104: Interoperability and IFC Awareness

Presented By:



Schedule
Tuesday, D

S204: 2011 Award-winning BIM Presentations

Presented By:



Schedule
Tuesday, D

S304: TAP Education and Research Update

Presented By:



Schedule
Tuesday, Dec

S404: TAP Townhall

Presented By:



Schedule
Tuesda



Technology in Architectural
Practice

S508: Interoperability - The Facts not the Fiction

Schedule

Wednesday, December 7, 2011, 10:15 AM - 11:45 AM

BIMStorm™ Washington DC

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WASHINGTON DC PAGES:
FAQ :! Watch

Washington DC

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SIGN ME UP

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- If the link above does not work, please [fill in contact information here](#) with a request to sign up for BIMStorm.

BIMStorm BIG BIM BANG Schedule - Live at Ecobuild in Washington DC

- December 6, 2011 - AIA Technology in Architectural Practice (TAP) Town Hall - Ecobuild, Washington, DC
 - Session S404 - 3:00PM - 4:30PM
- December 7, 2011 - Interoperability - The Facts not the Fiction - Ecobuild, Washington, DC
 - Location and Time: Session S508 - 10:15AM - 11:45AM

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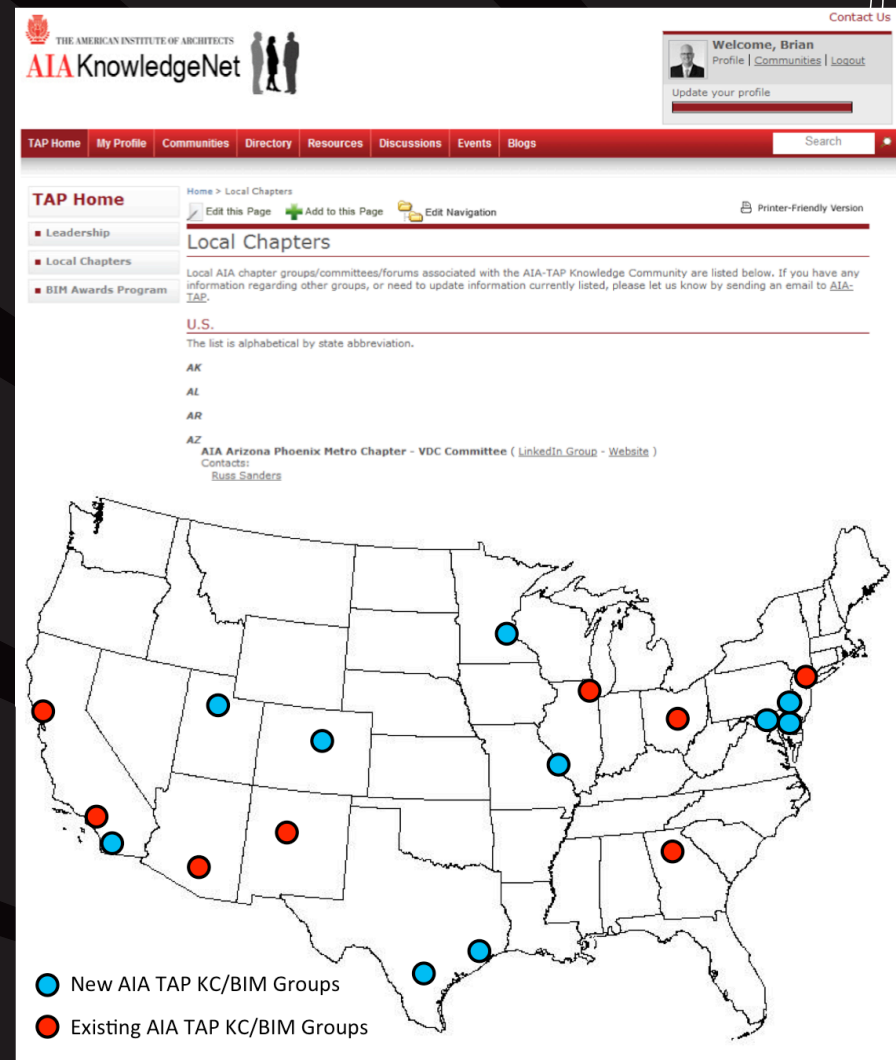
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The screenshot shows the AIA KnowledgeNet website. The header includes the AIA logo and the text 'THE AMERICAN INSTITUTE OF ARCHITECTS AIA KnowledgeNet'. A user profile for 'Brian' is visible in the top right corner. The main navigation bar contains links for 'TAP Home', 'My Profile', 'Communities', 'Directory', 'Resources', 'Discussions', 'Events', and 'Blogs'. The 'TAP Home' section is active, displaying a 'Local Chapters' page. The page lists local AIA chapter groups/committees/forums associated with the AIA-TAP Knowledge Community. A map of the United States is shown with colored dots indicating the locations of these groups. A legend at the bottom of the map identifies the dots: blue for 'New AIA TAP KC/BIM Groups' and red for 'Existing AIA TAP KC/BIM Groups'.

U.S.
The list is alphabetical by state abbreviation.

AK
AL
AR
AZ
AIA Arizona Phoenix Metro Chapter - VDC Committee ([LinkedIn Group](#) - [Website](#))
Contact:
Russ Sanders

Legend:
● New AIA TAP KC/BIM Groups
● Existing AIA TAP KC/BIM Groups

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<<Rewind (2011)

Whew!

How do we do all that?



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>PLAY

(Today's TAP)



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What is TAP?

Mission Statement:

*The AIA Technology in Architectural Practice Knowledge Community (TAP) serves as a **resource for AIA members, the profession, and the public** in the deployment of computer technology in the practice of architecture. Technology in Architectural Practice monitors the development of computer technology and its **impact on architecture practice and the entire building life cycle, including design, construction, facility management, and retirement or reuse.***



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Who is TAP? 2012 TAP Leadership



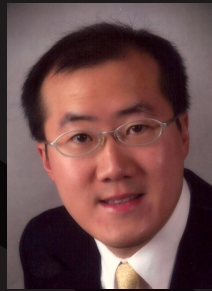
**David
Scheer**

Chair - 2012



**Kimon
Onuma**

Chair - 2013



**Calvin
Kam**



**Stephen
Hagan**



**Kristine
Fallon**



**Tony
Rinella**

Active Past Chairs



**Brian
Skripac**



**Jeffrey
Ouellette**



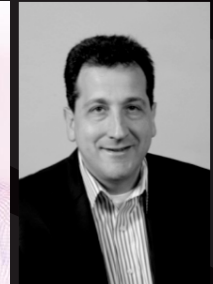
**Karen
Kensek**



**Luciana
Burdi**



**Marty
Doscher**



**Mike
Kenig**



**Pete
Evans**



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TAP Committees

- **BIM Awards**

- Stephen Hagan
- Marty Doscher
- Pete Evans

- **Communication**

- Jeffrey Ouellette
- Brian Skripac

- **Education**

- David Scheer

- **Research**

- Karen Kensek
- Luciana Burdi

- **Events**

- Tony Rinella
- Kimon Onuma

- **Local Discussion Groups**

- Brian Skripac
- Mike Kenig

- **Membership/Volunteers**

- David Scheer

- **Sponsorship**

- Stephen Hagan
- Jeffrey Ouellette
- Calvin Kam



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BIM Awards



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BIM Awards Committee Chairs



Stephen Hagan, FAIA

- Director, Project Knowledge
- U.S. GSA – Washington, DC
- stephen.hagan@gsa.gov



Marty Doscher, Assoc. AIA

- SYNTHESIS Technology Integration LLC – Venice, CA
- martyd@syntint.com



Peter Evans, AIA

- peripheral matter productions – Des Moines, IA
- vpete@mac.com



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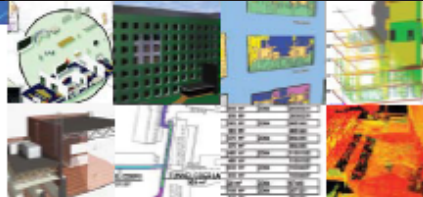
BIM Awards 2005-2011

2005, 2006, 2007, . . .

What's in a name?

A lot, actually.

If we didn't have BIM, we wouldn't have a National BIM



2007 BIM Awards

3rd Annual

AIA Technology in Architectural Practice (TAP) presents its 3rd Annual Building Information Model (BIM) awards honoring projects that have used integrated and

2009 BIM Awards

5th Annual

AIA Technology in Architectural Practice (TAP) presents its 5th Annual Building Information Model Awards honoring projects that have used integrated modeling processes, advanced data exchange techniques and a high level of interdisciplinary collaboration.

2010 BIM Awards

6th Annual

AIA Technology in Architectural Practice (TAP) presents its 6th Annual Building Information Model Awards honoring projects that have used integrated modeling processes, advanced data exchange techniques and a high level of interdisciplinary collaboration.

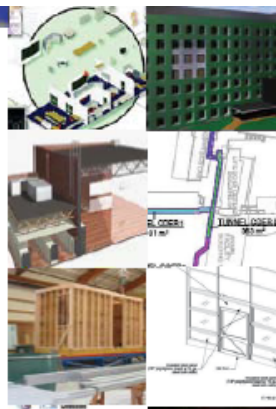
The 2010 Awards reveal that what was award-winning five years ago is becoming standard practice today. The use of BIM processes alone is no longer worth building. Wh

Education Thrives, Process Arrives, Design Survives

BIM Comes Alive

The 4th Annual AIA TAP BIM Awards reveal the liveliness BIM demonstrated in 2007 - a year called a tipping point for this advanced technology tool set.

The fear that institutions of higher education were not hitting their groove with BIM is allayed with four awards in the academic category. One award went to a graduate studio that convincingly tells the story of how affordable modular housing can "rain" out of the Chicago sky with BIM.



AIA TECHNOLOGY IN ARCHITECTURAL PRACTICE

7TH ANNUAL BUILDING INFORMATION MODELING (BIM) AWARDS

2011

2011 BIM Awards

7th Annual

The AIA Technology in Architectural Practice (TAP) presents its 7th Annual Building Information Modeling (BIM) Awards honoring projects that have used technology as a mechanism to bridge the gap between people and processes.

The 2011 Awards reveal how BIM is advancing from a pure tool

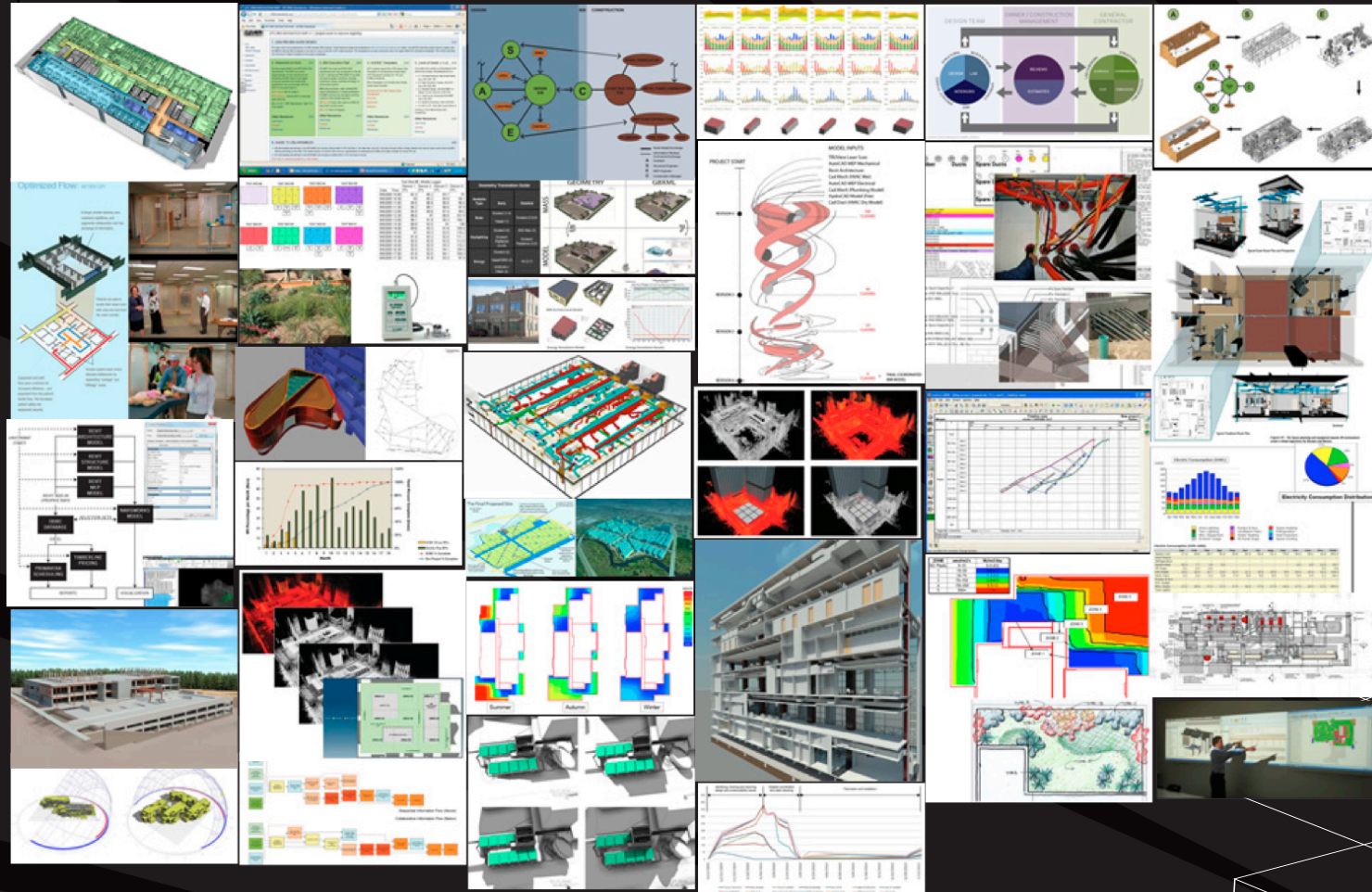


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BIM Awards 2005-2011



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Communications



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Communications Committee Chairs



Jeffrey Ouellette, Assoc. AIA

- BIM Specialist
- Nemetschek Vectorworks, Inc – Columbia, MD
- jouellette@vectorworks.net



Brian Skripac, Assoc. AIA, LEED AP BD+C

- Director of BIM
- DesignGroup – Columbus, OH
- bskripac@designgroup.us.com



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Communications Committee

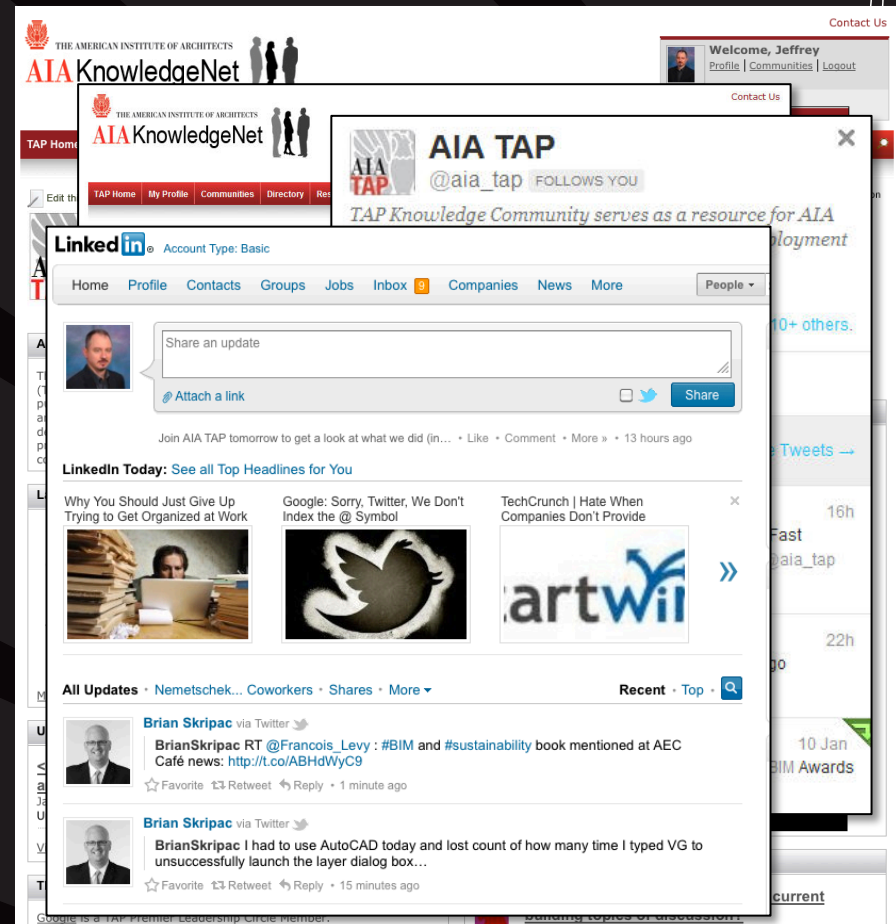
Collecting and spreading the knowledge of TAP

Channels:

- AIA KC Web Portal
- Twitter
- External Forums

Content:

- Webinars
- Document collection & distribution



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Education & Research

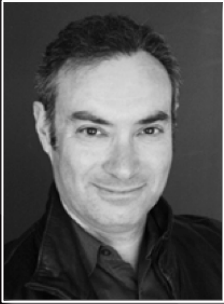


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Education & Research Committee Chairs



David Scheer, AIA

- Scheer & Scheer – Salt Lake City, UT
- dscheer@scheerandscheer.com



Karen Kensek

- USC, School of Architecture – Los Angeles, CA
- kensek@usc.edu



Luciana Burdi

- DCAM, Commonwealth of Massachusetts – Boston, MA
- luciana.burdi@state.ma.us



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Events



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Events Committee Chairs



Tony Rinella, Assoc. AIA

- LearnVirtual – Berkley, CA
- tony.rinella@rinella.com



Kimon G. Onuma, FAIA

- Onuma, Inc. – Pasadena, CA
- ko@onuma.com



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Events Committee

Multi-venue Hybrid Events



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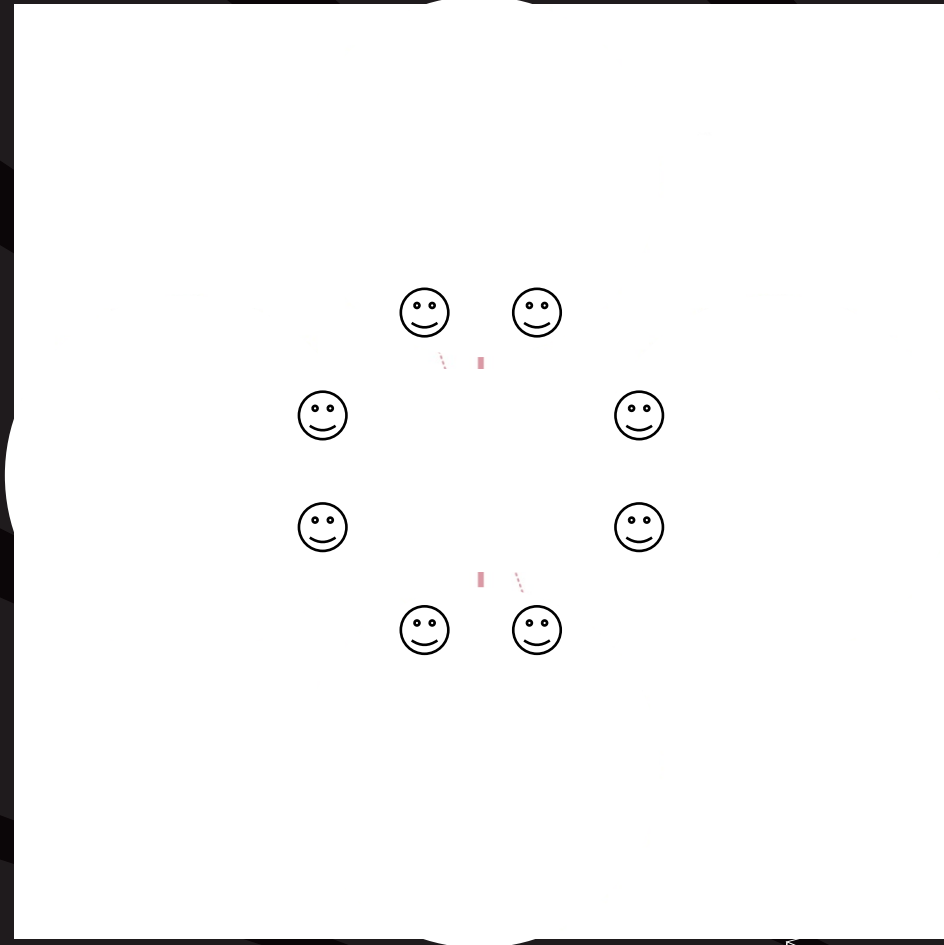
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Multi-venue Hybrid Events

Multi-venue

- Many wheres
- Internet-ed
- Speakers
- Moderators
- Participants



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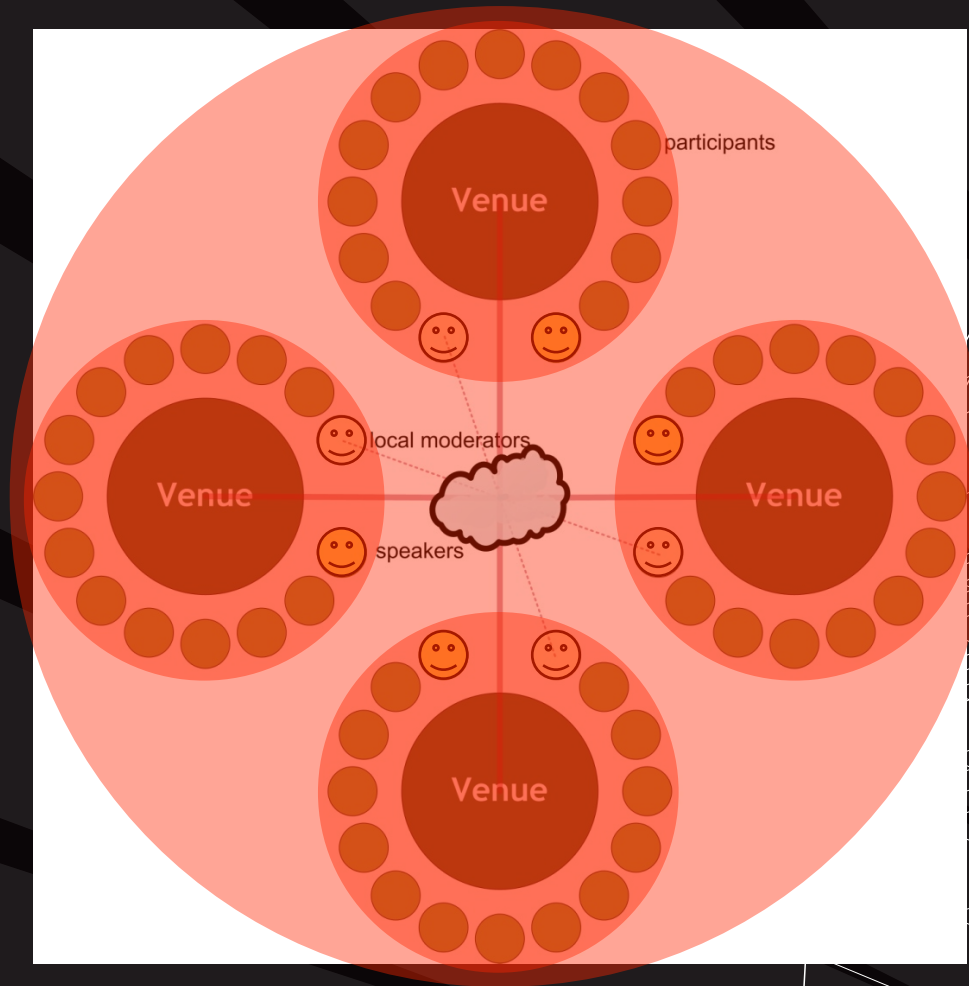
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Multi-venue Hybrid Events

Hybrid

- Local
- Shared



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techno sidebar *what's needed?*

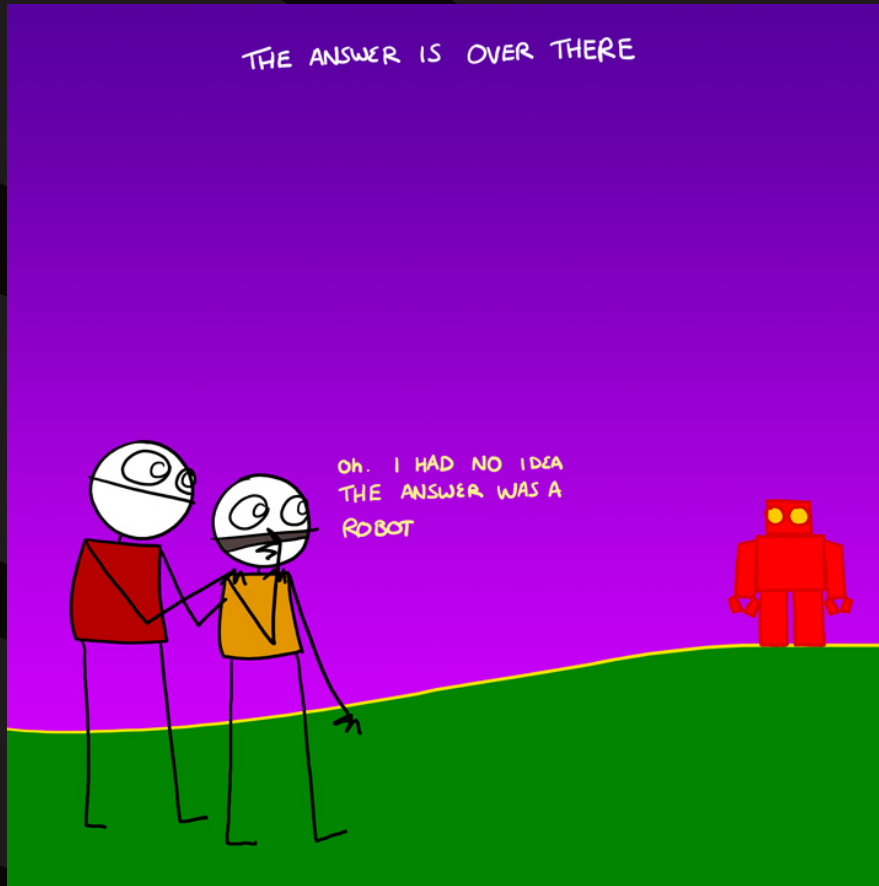


image courtesy Sam Brown :: www.ExplodingDog.com

Viewing / Discussing
Internet Connection
Computer / Browser
Projector / Screen
Loudspeakers

Presenter in the house?

- Microphone
- Podium, Power, AV jack



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Multi-venue Hybrid Events

Events

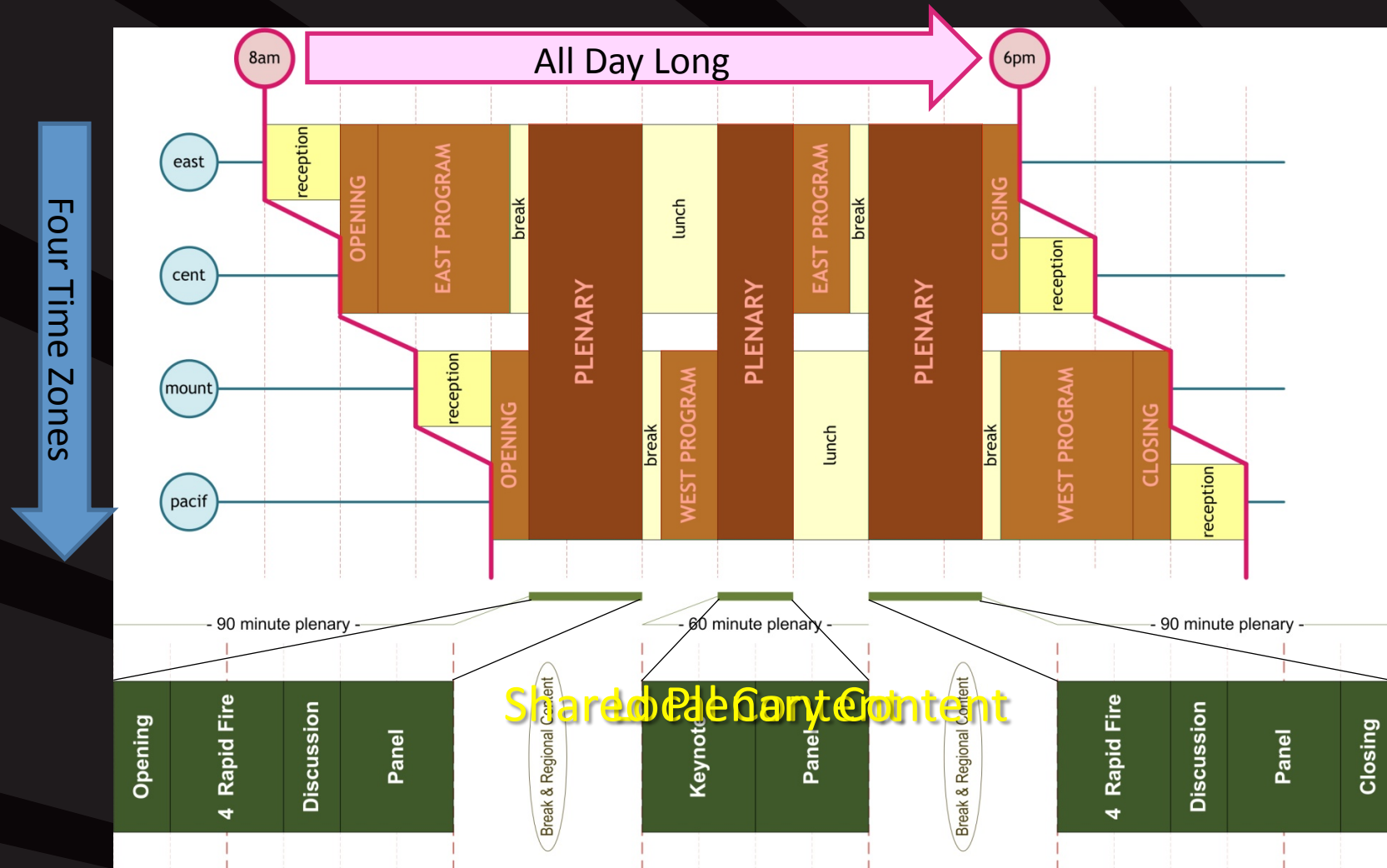
- 2010/2011 Schedule
 - Rolls Across Time Zones
 - Local Content
 - Shared Plenary Content



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Local Discussion Groups



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Local Discussion Group Committee Chairs



Mike Kenig

- Holder Construction – Atlanta, GA
- mkenig@holder.com



Brian Skripac, Assoc. AIA, LEED AP BD+C

- Director of BIM
- DesignGroup – Columbus, OH
- bskripac@designgroup.us.com

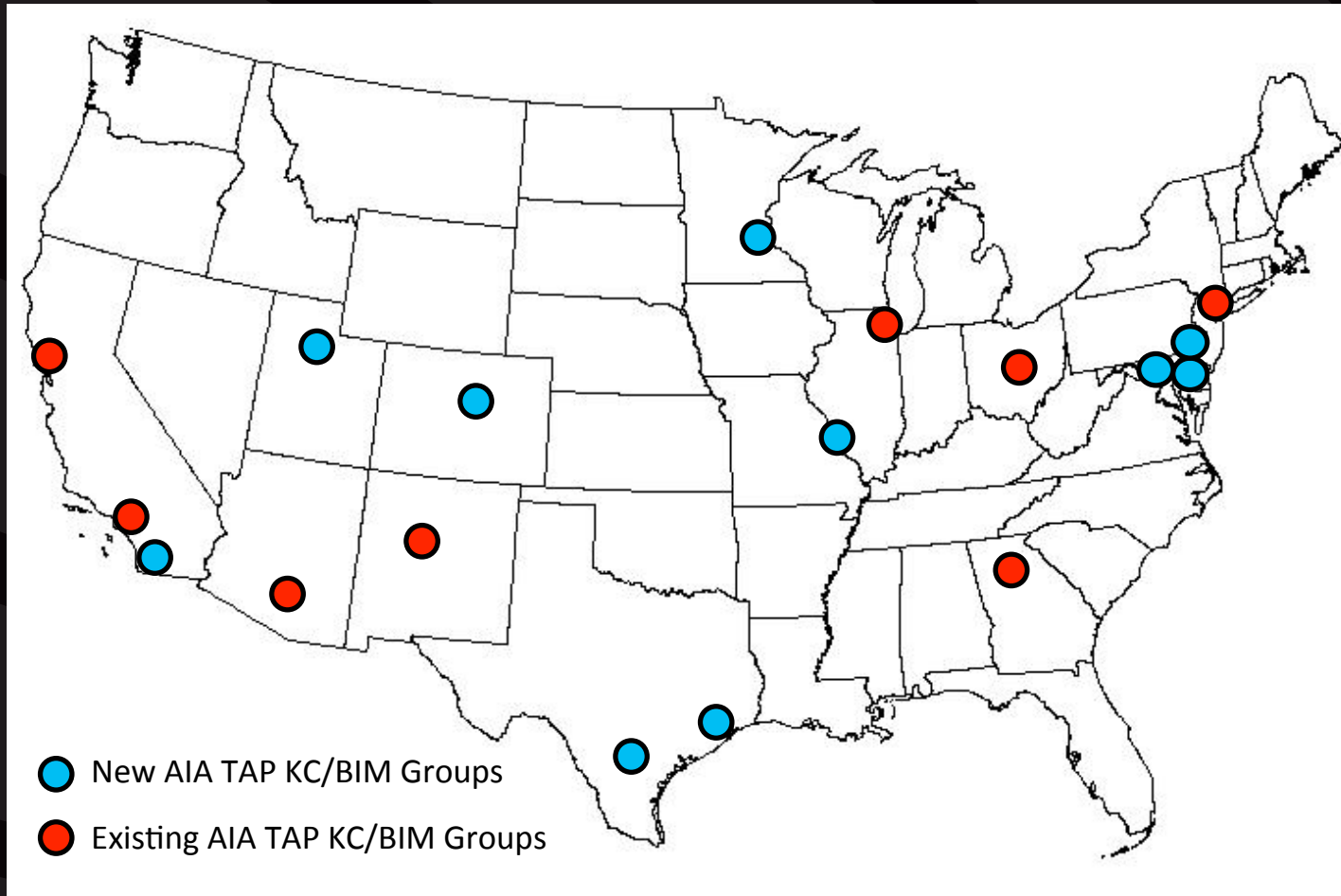


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Local Discussion Groups




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Local Discussion Groups




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AIA KnowledgeNet



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Search

TAP Home

- Leadership
- Local Chapters**
- BIM Awards Program

Home > Local Chapters

Edit this Page | Add to this Page | Edit Navigation

Printer-Friendly Version

Local Chapters

Local AIA chapter groups/committees/forums associated with the AIA-TAP Knowledge Community are listed below. If you have any information regarding other groups, or need to update information currently listed, please let us know by sending an email to [AIA-TAP](#).

U.S.

The list is alphabetical by state abbreviation.

AK

AL

AR

AZ
AIA Arizona Phoenix Metro Chapter - VDC Committee ([LinkedIn Group](#) - [Website](#))
Contacts:
[Russ Sanders](#)

CA
AIA/LA TAP ([Website](#))
Contacts:
Chair: [Glenn Hickman](#)
Vice Chair: [Frank Mihelcic](#)
Staff Contact: [Junnaid Javed](#)

Meetings will be held regularly on the first Thursday of the month.

Los Angeles Design Technology Forum ([Website](#))
Contacts:
[Marty Doscher](#)
[Rea Prentice](#)
[Dennis Shelden](#)
[Randy Jefferson](#)
[Kurt Komraus](#)



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Membership/ Volunteers



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Membership/Volunteers Committee Chairs



David Scheer, AIA

- Scheer & Scheer – Salt Lake City, UT
- dscheer@scheerandscheer.com



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ask not only

“What can TAP do for you?”

but also,

“What can I do for TAP?”



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Sponsorship



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BIM Awards Committee Chairs



Stephen Hagan, FAIA

- Director, Project Knowledge
- U.S. GSA – Washington, DC
- stephen.hagan@gsa.gov



Jeffrey Ouellette, Assoc. AIA

- BIM Specialist
- Nemetschek Vectorworks, Inc – Columbia, MD
- jouellette@vectorworks.net



Calvin Kam, AIA, PhD, PE, LEED AP

- Stanford University - CIFE – Stanford, CA
- calvin.kam@stanford.edu



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>>FAST FORWARD

(2012)



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>>Fast Forward (2012)

- Monthly TAP Webinars
- AIA BIM Awards
- TAP Workshop @ AIA National Convention (DC)
- TAP Hybrid Conference
- Building Connections Congress
- EuroTAP 2012
- Local TAP
- BIM Curriculum
- *Stay Tuned...*



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- **Monthly TAP Webinars**

January – <<RW, >PLAY, >>FF

February – *Federal Center South*

March – *BIM for Small Projects II*

April – *State of Interoperability*

May – *TAP @ AIA National*

June – *BIM Awards*

July – *Live from USC BIM Symposium*

September – *TAP Conference*

October – *EuroTAP 2012*



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BIM Awards 2012

BIM Awards Program



THE AMERICAN INSTITUTE
OF ARCHITECTS
Technology in Architectural Practice

AIA BUILDING INFORMATION MODEL AWARDS CALL FOR ENTRIES



The Building Information Model (BIM) Awards, given by AIA Technology in the Architectural Practice Knowledge Community (TAP), honors projects that highlight proven strategies and the latest trends in design and technology in the building industry.

Submissions

2012 Entries must be submitted before 4:59 p.m. Eastern Time on **January 17, 2012.**

The submission deadline date will be strictly observed; no exceptions will be made. No entry fee will be refunded for entries that are disqualified, late, or not completed. Payments and submissions will only be accepted online.

Please review the [2012 AIA BIM Awards Walk Through](#) and [download the concealed ID forms](#) before beginning your submission. When you are ready to submit, go to the [Submission Web site](#).

The 2012 BIM Awards Program is open to all professionals (owners, architects, engineers, contractors, operators) and academic institutions. International submissions are welcome. Submissions will be for any and all categories. Each submission will be evaluated by the 2012 BIM Awards Jury in the following categories (as well as an option by the Jury to award "Jury's Choice" as it deems appropriate):

Categories

- Category A: BIM Excellence
- Category B: Delivery Process Innovation (in association with COAA and BIMForum)
- Category C: Outstanding Sustainable Design
- Category D: Academic Program / Curriculum Development
- Category E: Exemplary use of BIM in a Small Firm



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- **BIM Curriculum**



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TAP Education Committee

Professional BIM Curriculum

Why a BIM curriculum for architects?

- Empower architects to make the best use of technology
- Provide overview of information movement throughout the building cycle
- Develop deeper understanding to enable architects to adapt technologies to their needs
- Provide broad background in variety of areas:
 - Interoperability and data exchanges
 - Effects on workflows and business process
 - Capabilities of specific technologies
 - Case studies



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TAP Education Committee

Professional BIM Curriculum

Design of the Curriculum

- 2-hour modules with CEU credit
- 20-30 total hours
- Cumulative structure (one module leads to the next)
- Three tracks:
 - **Basic:** design team members
 - **Advanced:** design team leaders and innovators (builds on Basic track)
 - **Managers:** procurement, staffing and personnel decision-makers
- AIA- endorsed program



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Module	Topic	Basic	Advanced	Managers
1	Introduction: Defining the "BIM problem"; overview of the curriculum	•		•
2	Existing technologies I : Overview	•		•
3	Interoperability I : the Basics	•		•
4	Effects of BIM on Practice I : Overview	•		•
5	Interoperability II : Details		•	
6	Effects of BIM on Practice II: Collaboration	•		•
7	Effects of BIM on Practice III: Contracts and Liability		•	•
8	Effects of BIM on Practice IV : Business models		•	•
9	Implementing BIM I : Communication, Training, Support	•		•
10	Implementing BIM II : Standards-Graphics, Standards-Best Practices, Logistics		•	•
11	Managing BIM projects I : model design, firm standards, workflows, sharing models	•		•
12	Managing BIM projects II : Collaboration; BIM servers; federated and consolidated models; data security		•	•
13	Managing BIM projects III : Project hand-off		•	•
14	Performance modeling I : Current technologies	•		•
15	Performance modeling II : Possibilities		•	
16	BIM Downstream I: BIM in Facilities Management		•	•
17	BIM Downstream II: BIM and Fabrication	•		•
18	BIM Standards I: IFC's and other Standards for Architects	•		
19	BIM Standards II: CIS/2 for Architects		•	
20	BIM Standards III: CORENET & code compliance with BIM		•	
21	BIM Standards IV: COBIE		•	



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