HIGH IMPACT
LOW THRESHOLD

AIATAP Building Connections Congress 2016

Hosted by the AIA Technology in Architectural Practice Knowledge Community

Monday, 11 January, 2016
8:00 AM - 05:30 PM
05:30 PM - 07:30 PM Networking Reception

AIA National Headquarters
1735 New York Ave NW, Washington, DC

Once a year, AIA TAP's Building Connections Congress convenes selected industry leaders to a high-level discussion of progress in - and challenges to - better uses of technology in architectural practice.

Our goal is to provide relevant, useful information to architects, contractors, owners, government agencies, industry associations, and technology providers to advance project delivery processes and data interoperability for building design, construction, and operations.

2016's topic is "High Impact | Low Threshold", through which we highlight low-cost and/ or easy-to use applications of technology that may be overlooked in technology-centric conversations. From smartphone apps to useful Excel spreadsheets, to client and contact databases, and beyond, how are we using tools to do our work and manage our businesses, in firms of all sizes, and types?

"Small tech" is definitely a hot topic - ArchDaily recently published "20 Free Productivity Apps that Architects Should Know About", and there have been many other end-of year 'best of' suggestions, and tips & tricks articles. We will be featuring, among other things, simple accounting packages, time trackers to help record and manage your hours, note-taking apps to help with field observations, site photos, and punch lists, iPad sketching apps, simple hacks for our drawing & modelling tools, new ways to help with communication and presentation, and more. These could be easily overlooked in a big, high-threshold technology discussion. But it can be tools like these that impact a business the most, precisely because they don't require separate departments to maintain them, and aren't a major expenditure. Let's break down the barriers to technology and start using it for all it's worth!

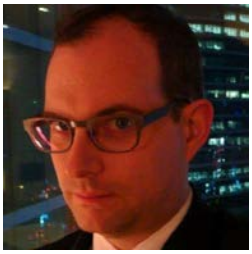
Attendees may earn up to 5 AIA LUs for full participation at the entire event.
Partial credit will not be available.

2016 AIA Building Connections Congress Agenda

8:00 - 09:00	**Sign-in & Breakfast** *coffee, tea, juice, assorted breakfast pastries, yogurt, granola & fruit*
09:00 - 09:15	**Introduction** *Robert Yori, Assoc. AIA, 2016 AIA TAP Chair* Welcome, Acknowledgements, and Agenda Review AIA Knowledge Community Connections How can you use technology to help you in practice? How can you do it without having a huge development budget and a room full of coders?
09:15- 09:35	**Session #1: High Impact Practice** *Hiroshi Jacobs, AIA DC Tech/ Gensler*
09:35- 09:55	**Session #2: Design Communication and Collaboration** *Alexandra Pollock, FXFowle*
09:55 - 10:15	**Session #3: Nickel Solutions for Dollar Problems** *Casey Martin, Jacobs/AIA Corporate Architects and Facility Planners Knowledge Community*
10:15- 10:35	**Q&A** *Questions and answers from the previous three speakers listed above*
10:35- 11:05	**Coffee Break** *coffee, tea, sodas, assorted cookies & pastries*
11:05 – 11:25	**Session #4: Give 'em Enough Rope: Slack's Collaboration Revolution** *Andrew Cocke, ZGF*
11:25- 11:45	**Session #5: High Impact/Low Threshold for Document Control through the Facility Life Cycle** *John Rapaport, Component Assembly Systems Inc*
11:45 - 12:05	**Session #6: Prototyping Design Intelligence** *Brian Ringley, Woods Bagot*
12:05 - 12:25	**Q&A** *Questions and answers from the speakers listed above*
12:25 – 01:45	**Lunch** *assorted sandwiches, salads, chips, cookies, sodas, coffee & tea* *Sponsored by BSD*

01:45- 01:50	**Sponsor Spotlight: BSD**
01:50 – 02:10	**Session #7: Design over Distance: Exploring the ways to keep projects, teams and knowledge connected and in sync.** *Mark Pollock, Gensler*
02:10 - 02:30	**Session #8: Rethink Teaching Pedagogy Using Integrated Technology** *Ming Hu, AIA*
02:30 – 02:50	**Session #9: Digital Design Feedback: WeWork's technology standards for delivering projects** *Kashuo Bennett, WeWork*
2:50 – 03:10	**Q&A** *Questions and answers from the speakers listed above*
03:10 – 3:40	**Coffee Break** *coffee, tea, sodas, assorted cookies & pastries*
03:40 – 04:00	**Session #10: Apps that Amp: Accelerating Design in 2016** *Mark Collins, Morpholio Apps*
04:00– 04:20	**Session #12: Collaboration Tools for a Team in Three Time Zones** *Pamela Sams, AIA TDBP 2016+2017 Chair, Gensler*
04:20– 04:40	**Session #13: Hot Rodding Tools** *Matthew Krissel, Keiran Timberlake*
04:40 – 05:00	**Q&A** *Questions and answers from the speakers listed above*
05:00 – 05:30	**Wrap up** *Robert Yori, Assoc. AIA, 2016 AIA TAP Chair* Summary, Further Discussion, Moving Forward, Gratitude and Adjournment
05:30- 07:30	**Networking** *beer, wine, sodas and hors d'oeuvres*

Speaker Biographies



Robert Yori, Assoc. AIA
AIA TAP 2016 Chair
Senior Digital Design Manager
SOM

Bob is Senior Digital Design Manager at the New York office of SOM: Skidmore, Owens & Merrill, LLP. He manages the office's Digital Design Efforts, designs learning curricula and content, trains project teams, advises and mentors in BIM and other topics and co-leads SOM's Firmwide Digital Design Efforts. He is an Adjunct Instructor at New York University and the New York School of Interior Design, has presented at Autodesk University, ACADIA, BIMForum, and RTC, and has been published in the *Journal of Building Information Modeling.* Yori received both his Bachelor of Science and Bachelor of Architecture degrees from the Catholic University of America in Washington, D.C.

http://www.som.com
https://aec-apps.com



Hiroshi Jacobs, AIA
Co-chair of the AIA DC Technology Committee and the AIA DC Design Excellence Committee
Gensler

An artist and architect living and working in Washington, DC. He is a member of the adjunct faculty at The Catholic University of America School of Architecture & Planning, and a full-time practicing architect with STUDIOS Architecture. His designs and artwork have appeared in numerous publications and exhibitions, including Surface Magazine, Bloomberg Businessweek, Harvard GSD Platform, DesCours New Orleans, La Biennale di Venezia, the (e)Merge Art Festival, and the Harvard Arts First Festival. Hiroshi was selected as an outpost of OfficeUS for the American pavilion at the 2014 Venice Biennale, and has previously held academic faculty positions at Tulane University and in the Career Discovery program at Harvard's Graduate School of Design.

Hiroshi is the founder of RevitCity.com, and the author of Chameleon, a software plugin that connects Revit, and Grasshopper. He is a co-chair of both the AIA DC Technology Committee and the AIA DC Design Excellence Committee. In 2012 he received the Emerging Architect Award from AIA DC, and in 2014 he received the national AIA Associates Award. In 2015 Hiroshi served as a member of the jury for the national AIA Collaboration & Professional Achievement awards. He holds a Master in Design Studies degree from Harvard University, where he was the recipient of the Daniel L Schodek Award for Technology and Sustainability, and received his Bachelor and Master of Architecture degrees from Tulane University. He is a registered architect in the District of Columbia.

http://www.gensler.com/
http://www.revitcity.com/index.php.



Alexandra Pollock, Registered Architect
Director of Design Technology
FXFOWLE

Alexandra is instrumental in developing methodologies ranging from generative design using computation and analysis, to overall project collaboration and delivery using Building Information Modeling. She has a particular interest in the intersection and overlap of disciplines and how they inform each other, and feels that technology plays an important role in these relationships and has the ability to create a more informed and integrated process. Alexandra is a LEED BD+C professional, a registered Architect in New York, co-chairs the AIANY Technology Committee, and has advised and taught Design Technology topics at Columbia and Stevens Institute of Technology.

http://www.fxfowle.com/



Casey Martin, AIA, AICP
Strategic Advisory Services | Buildings & Infrastructure
Jacobs

Casey is a Program Manager within the Asset Management Consulting Group at Jacobs. Her focus is facility and asset management including transition planning to bridge the gap from construction into asset management. She currently supports Stanford Health Care, providing consulting services that include maintenance and operation strategies, reliability centered maintenance practices, life cycle analyses and sustainable performance planning.

http://www.jacobs.com/



Andrew Cocke
Design Technolgoy Manager
ZGF

Andrew is the east coast Design Technology Manager for Portland-based ZGF Architects. Andrew oversees day-to-day BIM operations as well as a broad portfolio of design technologies. He leads the firm's efforts on computational and data-driven design. Prior to ZGF, Andrew was a Building Information Specialist at the New York design technology consulting firm, CASE where he consulted with many well-known firms in New York, Chicago, Boston to build design technology expertise and manage firms' transitions to BIM.

Together with Hiroshi Jacobs, Andrew is the cofounder of the AIA|DC Technology Committee and a former member of the Design Committee of the Virginia AIA. He has taught numerous studios and courses on design technology, digital fabrication, and data-driven sustainable design at the Catholic University of America where he was also the Director of the Comprehensive Building Design Studio. His writing has been published in Metropolis and Architecture magazines. Andrew attended University of Virginia and Yale School of Architecture where he studied with computational design pioneer, Greg Lynn and BIM luminary, Phil Bernstein.

https://www.zgf.com/



John Rapaport, Esq
Chief Contracting Officer (CCO) and General Counsel (GC)
Component Assembly Systems

John works for Component Assembly Systems, Inc./Component West, a national wall and ceiling specialty subcontractor with offices in New York, Boston, New Jersey, Washington D.C., Philadelphia, Maryland, Las Vegas, San Diego, Los Angeles and San Francisco. John graduated from the University of Michigan Honors Program with a B.A. in History in 1986. Thereafter, he received his J.D. from the University of Pennsylvania Law School in 1989. After practicing construction law, John joined Component in 1991, a firm founded by his father Lew in 1964 and where he remains the company's Chairman and CEO. John spearheaded the company's efforts to digitize and modernize its technology infrastructure. Through his vision, the company was able to develop its own award winning proprietary software known as CASim, now in its fourth version, which tracks and update progress on its projects using the latest technologies. John serves on the New York City Bar Association's Construction Law Committee and The University of Michigan's Honors Alumni Council, among many groups. He is a Member of the Bars of Massachusetts, New York, and Washington, D.C..
http://www.componentassembly.com/



Brian Ringley
Group Design Technology Specialist
Woods Bagot

Brian is a platform specialist on the Global Design Technology Team at Woods Bagot, where he leads efforts on computational workflows for model interoperability, environmental analysis, geometric rationalization, and architectural fabrication. Brian provides platform training, bespoke toolsets, and intensive support for Woods Bagot's globally significant projects. He has taught at the University of Cincinnati, the City University of New York, Rensselaer Polytechnic Institute, and the AA Visiting School, and currently teaches courses on data-driven design, workflow convergence, and robotic automation at Pratt Institute's Graduate Architecture and Urban Design (GAUD) program. Prior to Woods Bagot, he worked for R&Sie(n), Dellekamp Arquitectos, and Kohn Pedersen Fox Associates. Brian is an Authorized Rhino Trainer and, together with Zach Downey of FC Modular, runs the design technology education website and podcast Designalyze.

http://www.woodsbagot.com/



Mark Pollock
Regional Digital Design Leaders
Gensler

Mark oversees the strategy and implementation of design technology across the seven offices in the Northeast and Latin American regions. Working out of the New York office, Mark focuses on the use of new technology in the design, development and execution of all scales of Interiors and Base Building Architecture with an emphasis on BIM, Computation, and Visualization. Prior to joining Gensler, he worked at SHoP Architects for six years as part of their Applied Technology Group, designed and built the winning 2007 PS1-Young Architects Program with Ball-Nogues studio, and was the lead faculty for the Stevens Institute's 4th place entry in the 2013 US Solar Decathlon. Mark has a Bachelors of Architecture from New Jersey Institute of Technology and a Masters of Engineering from the Product Architecture Lab at Stevens Institute of Technology.

http://www.gensler.com/



Ming Hu, AIA
Director, Academic Engagement
American Institute of Architects

Ming is an architectural practitioner, educator and researcher with vast experience in high-performance building design, parametric modeling, Life Cycle assessment, building performance measurement and benchmarking. Her research methodologies include a variety environmental simulation techniques such computation fluid dynamic modeling, solar radiation analysis, as well as parametric façade design and 3D prototyping. She is currently the Director of Academic Engagement at the American Institute of Architects (AIA) and faculty in Catholic University of America. As the Director of Academic Engagement at AIA Ming Hu is overseeing the institute's programs relate to architectural education and serve as connector bridging the gap between research and practice.

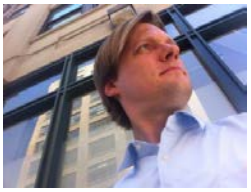
www.aia.org



Kashuo Bennett
WeWork

As part of the CASE team who joined WeWork last summer, Kash is an architect who focuses on cross-functional process improvement, internal technologies, and data continuity. Acting as an internal consultant, he builds custom digital tools that allow for WeWork's in-house architects, interior designers, and construction mangers to consistently deliver a large volume of complex projects. Before joining CASE, Kash ran his own architecture practice in Nairobi, Kenya where he designed television sets, retail spaces, offices, and homes. He began his career at RTKL in Washington DC, where he was also active in the academic and artistic communities: he taught a digital design studio at the Virginia Tech Alexandria Architecture Center and built interactive digital sculptures designed, fabricated and displayed in collaboration with Catholic University, FabLabDC the Corcoran.

https://www.wework.com/



Mark Collins
Co-Creator
Morpholio Apps

Mark is a teacher, designer and programmer investigating the culture of innovation and technology in architecture. He is a co-founder of Morpholio, a suite of tools empowering creative individuals. Morpholio's apps have been featured everywhere from Wired to Fast Company and its creative community boasts more than a million users. Mark is also an adjunct assistant professor at the Columbia University Graduate School of Architecture, Planning & Preservation where he teaches classes on computational design and co-directs the Columbia University Cloud Lab, an experimental laboratory that explores the design of our environment through emerging technologies in device culture.

http://www.morpholioapps.com/



Pamela Sams, AIA
Technical Director
Gensler

Pamela is the 2016 and 2017 Chair of the TDBP (Technical Design for Building Performance) AIA Knowledge Community. She is currently a South East Design Realization Leader at the Washington DC office of Gensler. She has been a Senior Project Architect on design teams developing and building many innovative, large scale, and complex projects in the U.S., Africa, Europe and the Middle East. She was a project leader on the Western Expansion to Dulles Airport; Oqyana-World First, a multi-use development located on built islands off of the coast of Dubai; and she recently completed the design for a new Major League Baseball Stadium currently being constructed in Caracas Venezuela. Before returning to the U.S. in 1998, she worked and taught in Paris and Ireland. She received her MArch from Princeton University and her BFA from Parsons School of Design. She is a member of the Women In Architecture Committee, Northern Virginia. She is committed to creating a direct role of excellent technical design based on sound building science to create innovative designs that meet high performance and sustainable goals.

www.aia.org/tdbp
www.gensler.com



Matthew Krissel, AIA, LEED AP
Partner
Keiran Timberlake

Matthew has a unique ability to understand the complex elements of a design problem, synthesizing its requirements with high design aspirations in order to arrive at a meaningful solution. Matthew has more than fifteen years of experience as an architect and has worked on projects for prominent institutions including the US Department of State, Cornell University, Dartmouth College, Massachusetts Institute of Technology, and the Kimmel Center for the Performing Arts in Philadelphia. His current projects include the new US Embassy in London and a new facility for New York University. A graduate of the University of Pennsylvania School of Design, Matthew has returned to the program as an assistant teacher and has also lectured at the National Institute of Building Sciences, Facades+, and elsewhere. Matthew is currently the chair of KieranTimberlake's Digital Design Visioning Group, an initiative dedicated to digital innovation, visualization, and knowledge sharing within the firm. Prior to joining KieranTimberlake, he worked at Skidmore, Owings & Merrill and Kohn Pedersen Fox in New York City.

http://www.kierantimberlake.com/