



## AGENDA

Friday, October 28, 2016

UCLA Covel Commons – Grand Horizon Room

Covel Commons, Suite L-16, 330 De Neve Drive, Los Angeles, CA 90095

*Participants who attend can receive up to 6 CES units*

TIME	EVENT/SESSION	SPEAKER
8:00 AM – 9:00 AM	Registration & Breakfast	
9:00 AM	<p><b>Welcome/Conference Opening</b></p> <p>The AIA California Council President and conference co-chairs will set the stage for today’s event. Don’t forget to tweet your thoughts and questions throughout the day using #nownextfuture! Post photos and share your insights on social media.</p>	<p><i>President,</i>  <i>AIA California Council</i>  <b>Michael Malinowski, AIA</b>  <i>Principal, Applied</i>  <i>Architecture, Inc.</i></p> <p><i>Conference Co-Chairs</i>  <b>Britt Lindberg, AIA</b>  <i>Associate, Gensler</i></p> <p><b>Zigmund Rubel, AIA</b>  <i>Co-Founder, Aditazz Inc.</i></p>
9:15 AM	<p><b>The Future of Practice in the Age of Technology and Big Data</b></p> <p>Architects in practice already integrate both technology and big (as well as little) data in creative ways. At the cutting edge of current strategies, we can see where the next generation of both metrics-driven research and technology is headed. Recent work from cityLAB-UCLA will demonstrate some of these new directions through three fundamentally different types of project: the future of work, the postsuburban city, and re-integration of humanist perspectives in design. These examples illuminate profiles of emerging architects, firms, and architectural practices.</p>	<p><b>Dr. Dana Cuff</b>  <i>Director, cityLAB-UCLA</i>  <i>Professor, Architecture and</i>  <i>Urban Design</i>  <i>School of the Arts and</i>  <i>Architecture</i></p>

10:15 AM	<p><b>Technology is the Answer, but What is the Question?</b></p> <p>Alvin Huang, Design Principal of multi-award winning design firm Synthesis Design + Architecture and an Assistant Professor at the USC School of Architecture, will discuss how his work as an architect, scholar, and educator focuses on the intersection of technology, performance and craft - a territory that he explores through the design of architectural projects that experiment with advanced computational design processes in order to investigate the synthetic relationships between form, structure and skin. This work looks to expand the historical arc of architectural discourse through the production of original design research that connects essential relationships between architecture and technology to the present and the future.</p>	<p><b>Alvin Huang, AIA</b>  <i>Principal, Synthesis Design + Architecture  &amp; Assistant Professor,  USC School of Architecture</i></p>
11:00 AM	<p><b>Networking Break</b></p>	
11:15 AM	<p><b>Information Mapping &amp; Data Mining Panel Discussion</b></p> <p>How are firms gathering data, sharing that knowledge, and using it to inform their design processes? What role will 'big data' have in the design process, and how can we collect this data from built projects?</p>	<p><b>Casey Reas</b>  <i>Professor, UCLA (Data Visualization and Design)</i></p> <p><b>Lucas Reames</b>  <i>Mixed Reality Team  Gehry Technologies  (Data Management and Design)</i></p> <p><b>Tad Costerison , AIA</b>  <i>Architect  Aditazz, Inc.</i></p>
12:00 PM	<p><b>Lunch</b></p>	
1:00 PM	<p><b>Moore +Friesl: Digital Design &amp; Fabrication</b></p> <p>Terri Moore, a partner at moore+friesl will discuss the firm's work and how it integrates digital design with new and old fabrication techniques. Using real world projects that span from initial design ideas, material and fabrication techniques and finished installations, the talk will cover the misconceptions, challenges and untapped potential of digital fabrication.</p>	<p><b>Terri J. Moore</b>  <i>Principal  Moore + Friesl</i></p>

1:30 PM

### **Fabrication, Rapid Prototyping, Coding and Robotics**

Designers are now crafting the tools they are using. Coding, robotic concrete pouring, construction prototyping, and machine hacking make for an exciting (and near) future of design and the built environment. Parametric tools and open-ended robotics are giving designers new and innovative tools for better, more innovative designs and construction processes. What are the limitations of these technologies? What are the challenges? What is possible in a shop versus onsite? When will these technologies be available to the broader AEC industry? We'll explore these topics and more as we bring robotics into your projects.

**Peter Vikar**  
*Lecturer & Robot Lab  
Manager at UCLA  
Architecture and Urban  
Design*

**Joseph Sarafian**  
*Perkins + Will (Robotics &  
Concrete)*

**Jared Shier**  
*Gensler (Drone Rapid  
Prototyping)*

**Sanjeev Tankha AIA LEED AP  
BD+C**  
*Principal and  
Director | Enclosure Practice  
Walter P Moore | Los Angeles*

2:30 PM

### **Networking Break**

2:45 PM

### **Community & Infrastructure**

How will new modes of transportation impact the designs of our cities and communities? How will new technologies enable us to better address issues of clean water, resilience, use of resources, climate change, and quality of life?

**Panel Discussion**  
**Andrew Biu**  
*Civil Engineer  
AECOM*

**Sarah Hovsepian**  
*NASA Ames / UC Irvine*

**Bill Worthen, FAIA, LEED  
Fellow, GPR**  
*Principal,  
Urban Fabrick Inc.*

3:30 PM

### **Maker Meets Master**

What does the new architect's sandbox look like and how will the master architect really be able to use these new tools? Hear from Jared Laucks, Co-Director, Self-Assembly Lab at MIT who will showcase mind expanding developments, ideas and tools that will change the way you create. Then hear master architect, Lawrence Scarpa, FAIA of Brooks + Scarpa reflect on how he sees design improving with these new tools. Hear a conversation between maker and master about how these tools meet the needs of the modern architect. Closing out the session will be the opportunity for audience Q&A.

**Jared Laucks**  
*Co-Director,  
Self-Assembly Lab, MIT*

**Lawrence Scarpa, FAIA**  
*Principal, Brooks + Scarpa*

4:30 PM

### **Your Now, Next and Future**

Concluding thoughts about the day's enlightening insights.

**Zigmund Rubel, AIA**  
*Co-Founder, Aditazz Inc.*

**Britt Lindberg, AIA**  
*Associate, Gensler*

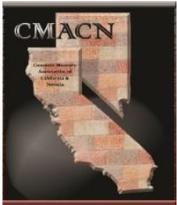
5:00 PM

**Post Event Conversations - W Los Angeles – West Beverly Hills – Living Room Bar**

**930 Hilgard Avenue Los Angeles, California 90024**

Continue the conversation with your fellow NNF Conference attendees and speakers at this casual meet-up at the W Hotel. This no-host gathering will be a great way to share insights with your fellow architects and will be an opportunity to reflect on the messages of this information-packed day.

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