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

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT/SESSION</th>
<th>SPEAKER</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM – 9:00 AM</td>
<td>Registration &amp; Breakfast</td>
<td></td>
</tr>
</tbody>
</table>
| 9:00 AM     | Welcome/Conference Opening                               | President,
              |                                                          | AIA California Council                                                  |
|             |                                                         | Michael Malinowski, AIA                                               |
|             |                                                         | Principal, Applied                                                     |
|             |                                                         | Architecture, Inc.                                                    |
|             |                                                         | Conference Co-Chairs                                                  |
|             |                                                         | Britt Lindberg, AIA                                                   |
|             |                                                         | Associate, Gensler                                                    |
|             |                                                         | Zigmund Rubel, AIA                                                   |
|             |                                                         | Co-Founder, Aditazz Inc.                                             |
| 9:15 AM     | The Future of Practice in the Age of Technology and Big Data | Dr. Dana Cuff                                                        |
|             | 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. | Director, cityLAB-UCLA                                               |
|             |                                                         | Professor, Architecture and Urban Design                              |
|             |                                                         | School of the Arts and Architecture                                 |
Technology is the Answer, but What is the Question?
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.

Alvin Huang, AIA  
Principal, Synthesis Design + Architecture  
& Assistant Professor,  
USC School of Architecture

Networking Break

Information Mapping & Data Mining Panel Discussion
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?

Casey Reas  
Professor, UCLA (Data Visualization and Design)

Lucas Reames  
Mixed Reality Team  
Gehry Technologies  
(Data Management and Design)

Tad Costerison , AIA  
Architect  
Aditazz, Inc.

Lunch

Moore +Friesl: Digital Design & Fabrication
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.

Terri J. Moore  
Principal  
Moore + Friesl
**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

**Networking Break**

**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 Fabric 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
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.

#nownextfuture

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