Welcome
Sign-in and breakfast in the social gallery

8:30am
Introduction
Ryan Johnson, AIA, Clark Nexsen, Inc., 2020 TAP Chair

9:00am
Session 1: Data in computational design
Synthesizing and incorporating large datasets to inform the creative process can result in better, and higher performing designs. But with all this data, how should we use it? What data should we collect? How should we collect it? This session will discuss strategies for working with data to improve our designs.

Speakers: Emily Griffith, North Carolina State University
Violet Whitney, Sidewalk Labs/Columbia University
Moderator: Charlie Williams, AIA, LPA Inc., 2019 TAP Chair

10:00am
Break

10:30am
Session 2: Augmenting the design process
Technology enables us to become better designers by creating designs faster and helping to discover answers to complex questions. The tools we use act as a catalyst to augment our decision-making abilities by providing feedback on our designs. In this session you will learn how leading design firms have embraced computational design to supercharge their design process.

Speakers: Matt Goldsberry, AIA, HDR
Nicholas Cameron, AIA
Moderator: Charlie Williams, AIA, LPA Inc., 2019 TAP Chair

11:30am
Sponsor highlight

12:00pm
Lunch in the social gallery
Session 3: Analytics via computational design
Conventionally, architects rely on their intuition and experience to determine building performance. This high-risk way of working must stop. Instead of relying on intuition, we must evaluate and improve our designs through computational analysis. In this session you will learn from building performance experts how they use computational analysis thinking and tools to improve building performance.

Speakers: Andrea Love, AIA, Payette
Z Smith, FAIA, Eskew Dumez Ripple
Moderator: Natasha Luthra, Jacobs, 2018 TAP Chair

2:00pm
Break

Session 4: Automation in computational design
Creating our instruments of service has not fundamentally changed in years, relying on highly educated and compensated staff to manually, and inefficiently, manipulate building elements on paper or computer screen. To survive as a profession, we must abandon this ‘business as usual’ approach and embrace automation. In this session, Computational Design experts will describe various approaches to automation, and share how to incorporate them into your workflows.

Speakers: Alyssa Haas, Stanec
Dane Stokes, ZGF Architects
Moderator: Natasha Luthra, Jacobs, 2018 TAP Chair

3:30pm
Session 5: Increasing collaboration with technology
Technology is enabling increased collaboration between design and construction teams. Increased collaboration has numerous benefits, including better performing projects, reduced risk, costs, and more. This session will review how architects and contractors are changing the way they delivery projects through collaboration.

Speakers: Robert Otani, Thornton Tomasetti
Brian Krause, Clark Construction
Moderator: Ryan Johnson, AIA, Clark Nexsen, Inc., 2020 TAP Chair

4:30
Closing remarks
Ryan Johnson, AIA, Clark Nexsen, Inc., 2020 TAP Chair

5:00pm
Reception in the social gallery

About TAP
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. TAP leaders monitor 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.

Learn more at www.aia.org/tap.