

BTES 2021 Conference Schedule

Thursday, June 10

All times are Central Standard Time (CST)

11:00 - 11:45am: Welcome, Introductions and Opening Plenary

Opening Plenary Presentation

Seal, Strap & Certify: Designing, Building and Monitoring High-Performance Homes
Elizabeth Farrell Garcia, David Hinson and Mackenzie Stagg,
Auburn University

11:45 - 1:15pm: Early Afternoon Paper Sessions (2)

Materials and Fabrication

Moderator: Aletheia Ida

Concrete Environments

Duane McLemore and Jacob Gines, Mississippi State University

Team Totemics: Consequences of an Exquisite Corpse

Peter Wong, David Thaddeus, and Frances Hsu,
University of North Carolina Charlotte

Immersive Learning Environments for Industrial Robotics Training

Shahin Vassigh, Eric Peterson, Biayna Bogosian, and Jorge Tubella
Florida International University

Pedagogy: Innovative Approach to Remote Learning

Moderator: Ulrich Dangel

Virtual Studio Collaboration during Remote Studio Learning

Naomi Darling and Elisa Kim,
Mount Holyoke College/University of Massachusetts Amherst, Smith College

Thinking Outside the Building

Sandy Stannard, California Polytechnic State University, San Luis Obispo

High Tech | Low Tech: Teaching Augmented Fabrication in the Zoom Era

Emily Baker, University of Arkansas

1:15 - 1:45pm: Lunch Break

1:45 - 2:45pm: BTES Business Meeting for all Attendees

2:45 - 4:15pm: Late Afternoon Paper Session

Energy + Analysis

Moderator: Liz McCormick

The Impact of Different Building Assemblies on Thermal and Air Quality Performance. An Experimental Student Project in an Architectural Course Comparing City Building Bode Versus Passivhaus Standard.

Antonio Martinez-Molina, Kelsey Williamson, Ibukan Awolus, and
Miltiadis Alamaniotis, The University of Texas at San Antonio

Farnsworth Redux

Craig Griffen, Thomas Jefferson University

Testing the Daylighting, Energy, and Carbon Footprint Performance of Louvers

Alexis Severson, Khaled Mansy, Tom Spector, John Phillips, and
Jeanne Homer, Oklahoma State University

4:30 - 5:30pm: Emerging Faculty Award and Book Award with Presentations

Friday, June 11

11:00 - 12:30pm: Early Afternoon Paper Sessions (2)

Structure + LCA

Moderator: Terri Boake

The Importance of Material Lifespan in Embodied Carbon Analysis

Melissa Russell, Tom Spector, Khaled Mansy, John Phillips, and Jeanne
Homer, California Polytechnic State University, San Luis Obispo

Housing Façade Retrofit Strategies: A Life Cycle Assessment

Ming Hu, University of Maryland

Advanced Tall Buildings Collaboratory

Thomas Fowler and Kevin Dong, California Polytechnic State University,
San Luis Obispo

Materials and Fabrication

Moderator: Aletheia Ida

Soft Rock Studio: Exploring a Soft Systems Approach to "Artificial Rock"

James Forren, Dalhousie University

Volumetric Envelopes: The Transformation of Design and Fabrication of Prefabricated Elements Used in Building Envelopes

Niloufar Emami, Louisiana State University

Free-Form: The Adversarial Role of Materials in Automation

Genevieve Baudoin, Kansas State University and Bruce Johnson, Dual
Ecologies

12:30 - 1:00pm: Lunch Break

1:00 - 1:45pm: Project Shorts

Moderator: Hans C. Herrmann

The Living Room

Hans C. Herrmann and Cory Gallo, Mississippi State University

The Hygge House: An Alternative Model for Interdisciplinary Design-Build Courses

Robert Williams and Carl Fiocchi, University of Massachusetts

Comparison of Smartphone Lighting Apps for Use in Virtual Building Science Education

Terri Peters and Randy Ly, Ryerson University

The Mirror Perch Bridge at the Crosby Arboretum

Hans C. Herrmann, Mississippi State University

1:00 - 2:30pm: Mid-Afternoon Paper Session

History + Culture + Theory + Structure

Moderator: Shannon Bassett

Building Structure in the Context of Architectural Theory: A History/Theory Course on Technology in Architecture

Christina McCoy, Oklahoma State University

BTES 2021 Conference Schedule

1:00 - 2:30pm:

History + Culture + Theory + Structure (continued)

Labor Movements: From the Specifications of the Panama Canal to Robotic Patents
Federico Garcia Lammers, Jessica Garcia Fritz, Joseph Kenny, Nathaniel Krueger, and Rebecca Woytassek, South Dakota State University

Pneumatic Experiments for Humanitarian Design: Otto's Ideology and Technology of Lightness
Rob Whitehead, Iowa State University

2:45 - 4:15pm: Late Afternoon Paper Session

Pedagogy: Equitable and Engaging

Moderator: Nea Maloo

Commodity AND Delight: A Case for a Qualitative Basis for Environmental Technology Instruction

James Leach and Kristin Nelson, University of Detroit Mercy

Animate the Assembly: Making Technical Drawings Accessible
Mary English, Auburn University

Recruiting Engagement through Readings + Media in Architectural Technology Education

Carmen Trudell, California Polytechnic State University, San Luis Obispo

4:30 - 5:30pm Keynote

Jennifer Bonner

Jennifer Bonner is Associate Professor of Architecture at Harvard University Graduate School of Design. Bonner received a Bachelor of Architecture from Auburn University and a Master of Architecture from Harvard University Graduate School of Design.

Saturday, June 12

11:00 - 12:00pm: cove.tool workshop

12:15 - 1:15pm: ClimateStudio workshop