

# BTES

BUILDING  
TECHNOLOGY  
EDUCATORS'  
SOCIETY

## 2019 Building Technology Educators' Society Conference - Call for Submissions

"Integration and Innovation"

2019 Building Technology Educators' Society Conference

Dates: June 19-22, 2019

Location: University of Massachusetts Amherst

The Building Technology Educators' Society (BTES) is an organization of architectural educators, passionate about teaching the technology of building design and construction. The mission of the BTES is to promote and publish the best pedagogic practices, relevant research, scholarship, and other creative activity to facilitate student learning, advance innovation, and enhance the status of our disciplines in the profession at large. The BTES is a 501(c)(3) non-profit organization

<http://www.btes.org>

#### BTES Officers:

Erin Carraher, President  
Marc S. Uihlein, Past President  
Sinead Mac Namara, President-elect  
Chad Schwartz, Secretary  
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#### BTES Board:

Ulrich Dangel  
Robert Dermody  
Shelby Doyle  
Anne Nichols  
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#### About the Theme:

*"The cross pollination of disciplines is fundamental to truly revolutionary advances in our culture."*

Neil deGrasse Tyson

Innovation can begin with conjecture, with a searching for more effective solutions, or with an application to currently unknown or unarticulated needs. Innovation scholarship examines the personal intellectual habits that support new ideas, such as openness and exploratory behavior, as well as the circumstances behind the places in which creativity flourishes, such as support for cross-disciplinary fertilization and access to resources. The 2019 BTES conference will explore the role of technology education and curriculum in cultivating these intellectual habits in our students (and ourselves) and in creating the organizational spaces in which the future of practice will be shaped. Sessions will seek exemplary proposals of research and pedagogical applications that explore innovative practices and integrative thinking in the academy and profession.

These intertwined themes of innovation and integration are deeply embodied in the proposed host site, the award-winning John W. Olver Design Building at the University of Massachusetts. Named one of the Best Buildings of 2017 by the Wall Street Journal, the 87,000 square foot building counted a number of superlatives at its opening, among them, the most technologically advanced cross-laminated timber building in the country. However, while we are delighted by these accolades and the building's warm appeal, it is the organizational potential that the site embodies that makes it a fitting host for the 2019 BTES Conference.

Housing the university's architecture, building and construction technology, landscape architecture, and regional planning programs, the collective effort to realize the Design Building was launched to "represent the thoughtful integration of human creativity and ecological sensitivity that is the foundation of our professions."

## UMassAmherst

#### Conference Co-chairs:

Caryn Brause  
Peggi Clouston  
Naomi Darling

<http://www.btes2019.com>

The Design Building is a fitting backdrop for the sharing of BTES members' own innovative research and pedagogies. The structure is a testament to faculty ingenuity, political acumen, and creative collaboration: some of the building technologies employed, such as the layered composite floor system of concrete, timber, and steel mesh, were researched and developed by faculty right on campus. Moving from invention to application involved garnering the political support of a former congressman and the MA State Legislature, who ultimately activated the shift from the status quo steel frame to a demonstration project for new and innovative wood construction technologies through an Environmental Bond Bill. To deploy these innovations spatially, the architects and engineers collaborated closely with code officials to shape new codes while creating a building that is now a primary teaching tool for our students—from its exposed glulam and cross-laminated timber (CLT) frame, to its visible mechanicals and interdisciplinary teaching spaces.

## Call for Submissions:

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### Submission and Peer Review Schedule:

#### July 2018

Call for Papers and Posters Announced

#### August 2018

Submission Portal Opens

#### October 1, 2018

Abstract / Poster Submission Deadline

#### November 2018

Preliminary notification to authors

#### February 4, 2019

Full Papers and Posters Due

#### March 2019

Notification of Paper and Poster acceptance

#### April 15, 2019

Final Revised Papers and Posters Due

#### April 22, 2019

Deadline for Accepted Authors to Register for the conference

#### June 2019

Poster Exhibit hung in Design Building Gallery

#### June 20-21

Paper and Poster Sessions at 2019 Conference

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To foster discussion on Integration and Innovation, the BTES 2019 Conference Committee seeks papers and projects on a broad range of topics that address the external forces advancing our work, as well as the internal inventiveness driving our research and our pedagogies. How can our spaces, organizational structures, and pedagogical platforms create new interdisciplinary approaches to problem framing and solving? How might experiencing physical construction cultivate new collaborative understandings and stimulate new forms of design knowledge? And how might new visualization and analysis technologies provide a platform for emergent forms of communication to better facilitate this integration? Papers and projects that address the interaction, collision, and synthesis of diverse knowledge stocks are particularly welcome, but we look forward to a broad mix of approaches that will encourage interaction and inspiration, argument and debate.

Paper and project submissions are intended to explore projects, pedagogies, methodologies, research, and best practices in building technology education. Papers and projects across all thematic categories will be reviewed by subject matter experts to provide content-specific peer review. All submitted papers and projects should refer to and build on relevant scholarly literature within their respective fields including practice, research, education, and design.

Further information regarding the submission process can be found on the conference website: [www.BTES2019.com](http://www.BTES2019.com).

## Paper Submission Process:

Authors are asked to submit a 500 word abstract, supporting images, and keywords. Based upon keywords, papers will be tracked into one of nine peer-review session topics. Papers will be reviewed in a two-stage process. Abstracts will be double-blind peer reviewed by subject matter experts. Reviewers will be asked to evaluate abstracts and papers based on relevance to the conference and track theme as well as the paper's innovativeness, conceptual grounding, rigor of methodology, quality of evidence presented, importance of findings, and clarity of communication. Selected proposals will be developed through a round of full paper peer review with final papers submitted 2 months prior to the conference.

Session Topics will be curated by keywords into the following peer-review streams:

- Materials + Construction Techniques
- Structures
- Energy + Systems
- Landscape Technologies
- Computational Design + Analysis
- Design/Build
- Professional Practice
- Pedagogy
- Open

## Poster Submission Process:

Project posters may describe complete research, design, or pedagogical work, or may provide insight into works in progress. A curated exhibit of accepted posters will be hung in the Design Building Gallery. Authors are required to submit a 500-word abstract and poster. Project posters will be evaluated based on both content and visual communication. Selection for the exhibit will be based on innovation, clarity, and relevance to the conference theme.

More submission details and templates will be provided via the submission portal on the conference website in August 2018. Please contact the conference organizers at [btres2019@umass.edu](mailto:btres2019@umass.edu) with questions.