

7TH BIENNIAL RESIDENTIAL BUILDING DESIGN & CONSTRUCTION CONFERENCE



PennState



SAVE THE DATE | MARCH 27-28, 2024

IN-PERSON AT THE PENN STATER CONFERENCE CENTER & HOTEL IN
STATE COLLEGE, PENNSYLVANIA, USA

You won't want to miss networking with the leading researchers in residential construction, hearing from two innovative keynote speakers, and sharing your own research with colleagues over two days at the 2024 RBDCC!

5 WAYS TO PARTICIPATE! SUBMIT YOUR ABSTRACT BY MAY 15 *(EXTENDED)*

FULL PAPER
PUBLISHED IN
PROCEEDINGS
&
PRESENTATION

FULL PAPER
PUBLISHED IN
PROCEEDINGS
&
POSTER

PRESENTATION
ONLY

POSTER
ONLY

FULL PAPER
PUBLISHED IN
PROCEEDINGS
ONLY

*(NO TRAVEL
NECESSARY)*

SUBMISSION DETAILS

Experts from academia, A/E design firms, builders, developers, manufacturers, and government and code officials are cordially invited to submit abstracts by May 15, 2023, (*extended deadline*) on all aspects of residential buildings, including the following topics with some examples in parentheses. At the time of abstract submission, authors will indicate which submission and delivery option they plan to submit. Options for submission and delivery are listed below. All conference submission materials will be received through EasyChair conference management software.

CONFERENCE TOPICS

- High-Performance Building Analysis & Design (*BIM, Energy Efficient Components & Systems, BIPV, Passive House, IAQ, Smart Homes*)
- Disaster-Resilient Residential Design (*Fire Protection, Temporary Housing Post-Disaster, New Designs & Retrofits*)
- Community-Scale Design & Construction (*Aging-in-Place, Affordable Housing, Rural Housing*)
- Design, Construction, & Evaluation of Building Enclosures (*Building Science, Testing & Simulations, Green Roofs, Innovative Systems*)
- Construction & Material Innovation (*Modular, 3D-Printing, Sustainable Materials & Methods, Bio-Based Materials*)
- Education (*Tools & Methods, Design Competitions*)

SUBMISSION OPTIONS

Full Paper Submissions

Authors of accepted abstracts for full paper submissions will submit their full papers for peer review and comments by the International Scientific Committee for inclusion in the Conference Proceedings. The Conference Proceedings will be an edited document with an ISBN number and will require the authors of the papers to transfer copyright to the PHRC for its publication.

Presentation Only & Poster Only Submissions

Rather than full papers, authors of accepted abstracts for PowerPoint presentations only or Poster only submissions must submit their PowerPoint presentation or Poster by the deadline listed below for distribution at the conference. However, these submissions will not be considered as part of the Conference Proceedings but will later be made available on the PHRC website, www.phrc.psu.edu/Publications/Past-Conference-Proceedings.aspx.

DELIVERY OPTIONS

- **Presentations:** Those accepted to deliver their submissions via Presentation will have 20-30 minutes for a PowerPoint presentation on their paper and must bring their presentation to the conference on a USB flash drive.
- **Posters:** Those accepted to deliver their submissions via a Poster must bring their printed poster with them to the conference.
- **Proceedings Only:** Authors may choose the Proceedings Only option to include their paper in the Conference Proceedings. This option does not include a Presentation or Poster and does not include admission to the conference.

DEADLINES

Authors are invited to submit 200-300 word abstracts and indicate the topic area from technical paper session topics appropriate for their paper.

- Abstract Submission Deadline: **May 15, 2023 (Extended)**
- Abstract Acceptance Notification: **May 31, 2023**
- Full Paper Submission Deadline: **September 1, 2023**
- Full Paper Acceptance & Review Comments Notification: **October 31, 2023**
- Final Paper Deadline for Inclusion in the Proceedings: **November 30, 2023**
- Presentation Only Submission Deadline: **January 10, 2024**
- Poster Only Submission Deadline: **January 10, 2024**

**SUBMIT YOUR ABSTRACT AT
[HTTPS://BIT.LY/2024RBDCC](https://bit.ly/2024RBDCC)**

CONFERENCE GOALS

The Pennsylvania Housing Research Center (PHRC), housed in the Department of Civil & Environmental Engineering at The Pennsylvania State University, is pleased to announce the 7th biennial Residential Building Design & Construction Conference (RBDCC), which provides a forum for researchers, design professionals, product manufacturers, builders, developers, and more to discuss opportunities and challenges to advance the quality of and to introduce innovations in residential construction. The event focuses on dissemination of recent research & development results and findings; state-of-the-art technologies; materials, methods, and code developments; emerging materials, components, and systems for residential construction; and new approaches in the field. This technical, research-focused conference will include various types of residential buildings such as single-family dwellings; multi-family, multi-story apartment buildings; mid-rise and high-rise residential building towers; factory-built and modular housing; dormitories; and hotels/motels.

KEYNOTE SPEAKERS

Vivian Loftness, FAIA, LEED AP, CPHC, Design Futures, NIBS Fellow

University Professor, Paul Mellon Chair
School of Architecture, Carnegie Mellon University
Environmental Surfing at Home for a Resilient Future

Graham Finch, Dipl.T, MASc, PEng

Principal, Senior Building Science Specialist
RDH Building Science Inc.
Lessons in the Development of Innovative Prefabricated Façades for Mass Timber Buildings

REGISTRATION

All people who submit an abstract to the RBDCC should register for the conference by January 8, 2024.

- Presenter (includes Presentation or Poster): **\$655**
- Full Paper in Proceedings Only: **\$225**

Unable to submit an abstract but still want to attend? Stay up to date on the presentation schedule and costs on our website, including non-presenter rates. Full conference details, as well as information on our concurrent industry-focused conference, will be available in late 2023. Learn more at <https://bit.ly/2024RBDCC>

ACCOMMODATIONS

Located just minutes from the heart of the Penn State University Park campus in State College, Pennsylvania, The Penn Stater Hotel and Conference Center is the venue for the 2024 RBDCC. It features complimentary Wi-Fi, two restaurants, and complimentary parking. Rooms are available for conference attendees at a discounted rate through Saturday, February 24, 2024.

- Group code: RBDC24A
- Group rate: \$119 plus tax per night
- Penn Stater Reservations by phone, 1-800-233-7505, or online thepennstaterhotel.psu.edu



2024 RBDCC ORGANIZATION

CONFERENCE CHAIR

Dr. Ali Memari

Bernard and Henrietta Hankin Chair in Residential Building Construction

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Department of Civil & Environmental Engineering,
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IIT Rourkee, India

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