



photo: Ulrike Pässe

Ulrike snapped this shot as she headed home from ICARB 2023—it's the bridgescape spanning the Firth of Forth, Edinburgh, UK. See Ulrike's review on page 4.

## SBSE 2023 RETREAT TEASER

### RETURN TO BIOSPHERE2

It's time to start thinking about participating in the 2024 SBSE Retreat. Jonathan is planning to revisit last year's plan to return to Biosphere2. He hopes to have sufficient lead time to schedule the event in June to avoid the hottest days of summer! In Arizona that can mean of month's worth of consecutive days with highs of 110F or more! Our 2014 Retreat at Biosphere2 was in June—the dry heat was well-received!

Current thinking is that the 2024 Retreat will be structured similarly to last year's—fairly open-ended. Consider making a proposal to participate: submit a maximum of 250 words describing what you would like to contribute to the retreat; share with the organizing committee how you will structure 30 or 60 minutes of presentation time; and describe high-level learning objectives.

Stay tuned further details will come your way as they develop and as the retreat web site is revised. 🖐

—Bruce Haglund



photo: Bruce Haglund

At Biosphere2 you are not doomed to eternal desert experience. Inside the biosphere a rain forest and a lagoon exist.

## SBSE 2023 ELECTION RESULTS

Congratulations to our newly elected officers: Jonathan Bean as President-Elect, David Fannon as Treasurer, and incumbent Clarke Snell as Secretary. Heartfelt thanks to the runners up who added suspense and interest to the election. We all had to make hard choices.

You can find details of the election outcomes at <https://www.sbse.org/content/2023-sbse-election-results>. 🖐

—Bruce Haglund

## TRAIN'S EYE VIEW



photo: Bruce Haglund

# LETTERS TO THE EDITOR

Thanks for all the work you have and continue to put into SBSE. Where is the “archival web page”?

—Jack Kremers

You can find the archival retreats posted here <https://www.sbse.org/retreats>.

Sorry, I thought everyone knew!—ed.



Although, I am not an SBSEer any more; if appropriate and needed, I submit a book Helen and I have been working on for the past 5 to 60 years. Preserving/sustaining our vanishing rural structures and communities is our reason for writing it. 🖐

—Tom Bartuska, emeritus

Tom once an SBSEer, always an SBSEer! I gladly included your opus in the Book Nook on page 6. Thanks also for news of the Peacekeeper Troll of recycled wood residing on Bainbridge Island! (pictured below). —ed.



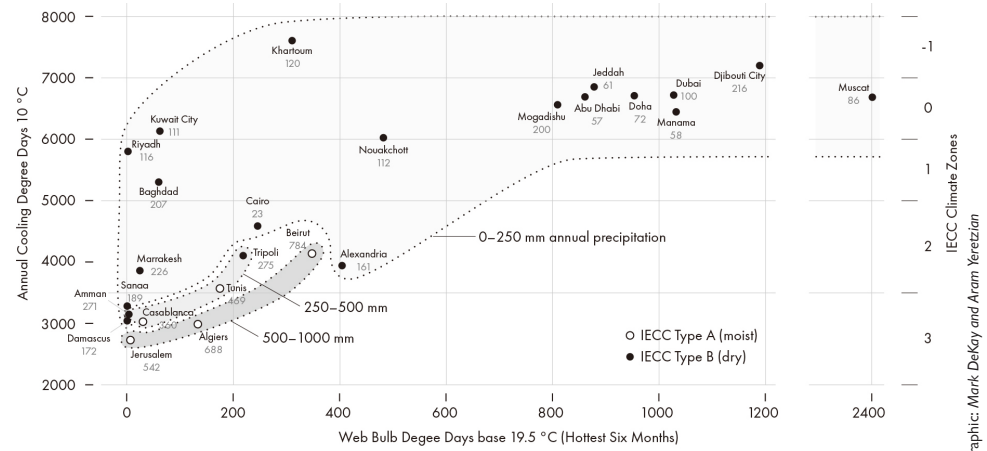
photo: Tom Bartuska

SBSE News is published quarterly by the Society of Building Science Educators, a not-for-profit corporation. Submit material for publication before the first of March, June, September, or December to Bruce Haglund, Editor; Architecture Program; University of Idaho; 875 Perimeter Drive MS 2451; Moscow, ID 83844-2451; tel 208.885.6781; e-mail <bhaglund@uidaho.edu>. Direct membership and mailing list inquiries to Tom Collins, Treasurer; Ball State University, 2000 W University AV, Muncie, IN 47306; e-mail <tdcollins@bsu.edu>. To join our list server or to manage your account go to <<http://www.lists.uidaho.edu/mailman/listinfo/sbse>>. For full membership info and more, visit our home page <<http://www.sbse.org>>.

# RESEARCH NEWS

## AMERICAN UNIVERSITY BEIRUT

### Climate Geeks Take Note....



graphic: Mark DeKay and Aram Yeretian

### Precipitation as a poor indicator for climate humidity

Aram Yeretian from American University Beirut and I have been working on understanding very hot climates in the Middle East and North Africa. We found that the IECC system of A type (moist) and B type (dry) does not describe atmospheric humidity in ways that passive/low-energy designers would prefer when considering evaporative cooling, dehumidification/humidification strategies, and such. The graph above shows 25 major cities from Arabic-speaking countries plotted for their IECC thermal zone (0, 1, 2, ...), which are based on Cooling Degree-Days, and in the horizontal dimension a new scale we generated for seasonal Wet-Bulb Degree-Days (WBDD). It is clear that the formula ASHRAE/IECC uses for Dry/Moist, which is mostly precipitation-based (a surrogate for humidity), does not work in places where a climate can be dry (little rainfall) yet also very humid, such as when near the sea. Note that 10 cities studies are more humid (higher seasonal WBDD) than any IECC “moist” city. The WBDD scale allows the visualization from ultra-arid to ultra-humid. We think a new climate typing system that better distinguishes arid and humid conditions for building design is in order.

—Mark DeKay and Aram Yeretian

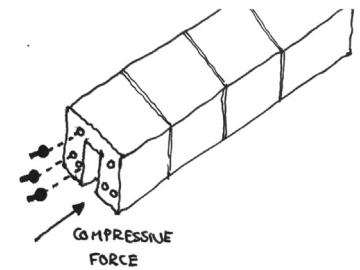
## UNIVERSITY OF IDAHO/UNIVERSITY OF LIVERPOOL

Architects and Structural Engineers, this is that moment when you can’t make the excuse you didn’t know better. This guide to how structural stone could reduce embodied carbon, how to design with it, comparative case studies and costing hypotheticals, and a wonderful suggested reading list gives you everything you need to become a leader in low impact construction.

I took on a focused independent study of structural stone with Bruce Haglund and Carolina Manrique during my summer 2022 semester in the UK and gave a presentation on a fair bit of the projects referenced the guide per my scholarship obligation. I can’t tell you how excited I am that a team of University of Liverpool students (Toby Barlow et al) took it on as a thesis project and developed this comprehensive guide <<https://www.virtual-lsa.uk/march/stonereform/>>! 🖐

—Reggie Mace

### Stone Design Guide



graphic: Toby Barlow et al



photo: Bruce Haglund

Stone post and beam detail, Groupwork, 15 Clerckenwell Close.

## SBSE ANNUAL MEETING SUMMARY

Meeting held online 13 Oct 2023

Attendance: Jonathan Bean, Tom Collins, Gabriel de Bem, Bruce Haglund, Richard Lorch, Troy Peters, Georg Reichard, Alexandra Rempel, Clarke Snell

### Minute

**Announcements (TP):** SBSE Solar Decathlon Workshop went well; Solar Decathlon admin asked us back for next year.

**Treasurer's Report (TC)** Balance Sheet shows SBSE still in good financial shape.

Discussion: Slipstream grant is a source of income. Sun angle calculator sales are down about 30% from last year. This is a trend. (GR): How many do we have in stock? (TC): Not sure but 300 or 400.

Membership: Somewhat consistent on paid memberships. Some decrease in student memberships. Increase in developing company memberships. These are free. Wild Apricot membership software. Prices continue to go up. We may want to look into other options. (GR): There are other options but they require considerable front end work to set up and maintain. He did some comparative research and WA is competitive. If we were paying for an IT management company to do this work, it would be a lot more money. (AR): Remembers how much WA improved collections of membership fees, so it was totally worth it. Maybe we should create a special committee that could be drafted to set this up and then be released from responsibility.

Discussion ensued about whether we should have a 3rd party for security, etc. No motions.

Yearly income: (GR): Can we get a line item for yearly income? (TC): Yes, will include IRS issue dealing with a weird mistaken charge from years ago is still not resolved, but (TC) has been in communication.

### Scholarships (JB):

Discussion: Payouts down because we are not giving out as many scholarships due to COVID. We could start increasing. (JB) would appreciate getting the word out. Are there other sources of funding we want to seek? Other scholarships we want to offer? (AR): Is everyone experiencing a decrease in department funding? Are our scholarship rates high enough to fund attendance?

Discussion: Different experiences from different members. (RL) brought up the idea of lobbying for lower prices at conferences. (GR) agrees because he sees an increase in perks that come with conferences. SBSE could lobby for a specific non-swig, lower-cost admission for students.

### Communication Committee (BH):

I'd like to have Georg on the Communications Committee as Webmaster (really web mastermind) to recognize the invaluable work he does for SBSE's web presence.

News comes out every quarter. Do people like it?

Discussion: Resounding "Yes!"

### Other Business: Update on annual retreat: (JB)

Current plan is to have a retreat at University of Arizona's Biosphere 2.

Discussion: Summary—Arizona is hot in the summer. Lots of opportunity to use this fact as part of the conference.

Upcoming election: Ready to go. If more candidates want to run, (BH) needs info in the next few days.

"Conference travel" in the context of GHG emissions. What should the SBSE stance on the issue be?

Discussion: Many options were aired, but no resolution was reached. 🙌

—Clarke Snell

## ACSA COMPETITIONS



<<https://www.acsa-arch.org/competitions/2024-cote-competition/>>



<<https://www.acsa-arch.org/competitions/2024-timber-competition/>>

A friendly reminder to consider these competitions for your studios. Deadlines for registration and submission are **10 Apr and 30 Jun**, respectively. If your students are among the winners, their work will be featured in the *SBSE News!* 🙌

—Bruce Haglund

## SBSE PEOPLE

✧ **Marc Schiler** has retired from USC. So, we created a powerpoint presentation with more than 100 slides showing Marc and his students plus his work and family. On most of the slides, we have overlaid a one-sentence quote from his colleagues and former students congratulating him on his retirement. If you want to send me a sentence to add to a slide, please e-mail me directly (not to the SBSE email list) at <dnoble@usc.edu>. If you have a photo to add, I can add that also. Here's a link to a photo showing Marc and his wife when he graduated from college in 1974 and a matching photo taken last Sunday in the same spot: <[https://www.linkedin.com/posts/activity-7129883942068916224-iMd3?utm\\_source=share&utm\\_medium=member\\_desktop](https://www.linkedin.com/posts/activity-7129883942068916224-iMd3?utm_source=share&utm_medium=member_desktop)>.

—Douglas E. Noble

✧ **Judy Theodorson** taught her final classes in December and then returned to Montana, where she lived prior to WSU, and where her heart resides. “Can’t believe it’s been 25 years at WSU! It was a wonderful career and I appreciate all of you that were a part of it. Highlights include the labs, the studios, the graduate research, the design awards, and the travel study. And there was the parallel adventure—raising triplets who are now incredible young adults on their own journeys.” 🖐

## RESEARCH OP

HEATS (Heat Exposure, Activity, and Sleep) is a three-year, multi-institutional project for improving sleep outcomes for people exposed to heat. Commencing in January 2024, the project will develop technological and behavioral solutions to minimize heat exposure for improved sleep. The project is structured as three distinct and complementary components: 1) several months of monitoring of more than 100 working-age people over several months to study the effect of heat exposure on sleep, 2) developing and evaluating a novel bedroom and dorms cooling solution, and 3) deploying and testing personalized smartphone nudging strategies to improve sleep environments.

Find out about this postdoctoral position (aka research fellow) located in Singapore. See <[https://docs.google.com/document/d/1obU54aBgd-5wA3vRAH\\_yLSVXyFgwB-yAKW0Lgm0L24/edit#heading=h.2g6udbrnj3z](https://docs.google.com/document/d/1obU54aBgd-5wA3vRAH_yLSVXyFgwB-yAKW0Lgm0L24/edit#heading=h.2g6udbrnj3z)>. Applications are being reviewed as received. Intended start is flexible, likely around **January 2024**. 🖐

—Stefano Shiavon

## ICARB 2023 REVIEW

The ICARB 2023 conference (Edinburgh, 25–26 Sep) was split into two days and three main sections. The morning of the first day addressed carbon accounting policy and codes as well as current developments in renewable and non-fossil fuel energy supply. The Scottish government provided updates on heating transition and building codes. Existing buildings still need more attention, but at least the issue is on their agenda. Solar roofs and workforce development were another topic in the first session, when John Forster (chair of Forster Group), a solar installer, provided eye-opening retirement numbers in the construction industry. The UK will soon run out of skilled labor to address the energy transition. Eliza Hotchkiss (US NREL) provided insights into the American perspective on resilience as the reality of the climate crisis is impacted by more and more extreme events. Thus, the panel and the final discussion—Who Decides what Net Zero Targets Are, and Are Their Priorities Right?—embarrassingly revealed that decisions are still too slow, and targets are not set consistently across countries.

The second panel addressed technologies to wean western societies from fossil fuels, such as nuclear, PV systems, waste-to-energy systems, and BECCS (Bioenergy with Carbon Capture Storage). Optimistic insights were provided by Ian Marius Peters (Helmholtz Institute Germany) that PV electric has become the cheapest electricity resource in history. This information should be placated as the main message from this conference: PV is cheap and its life cycle assessment including embodied carbon really does not change this statement. BECCS seems to be the new technology for some, but how carbon harvested in the US can or even should contribute to carbon capture in the UK remains a mystery to me. Forest ecology should also matter.

Buildings and communities are entering an unpredictable future so Net Zero and Resilience need to be considered together. There is no either/or and no trade-off possible. Mark Jacobson (Stanford University) has calculated that 100% renewable clean energy is possible everywhere in the world, a calculations that needs to be checked to verify this claim, but his talked showed, that the technology exists, while the will to shift might be missing in too many countries.

Life cycle assessment is the new frontier, where harmonization of metrics needs to happen, i.e. how long should the life cycle be?

How much can we rely on grid decarbonization to meet carbon reduction targets in reality? This question was posed to the panelist, but it seems to be the only way forward, as western societies have not been able to address energy conservation and efficiency to the extend necessary to reduce CO<sub>2</sub> emissions, thus grid decarbonization seems to be the only pathway for saving us from climate doom.

What Net Zero Policies actually work in practice in real buildings and communities?

Further optimism came from Prashant Kapoor (IFC/World Bank) as he presented the EDGE Tool, which seemed to actually work and has been adopted by many countries. Jonathan Porritt (Forum for Future) had a very straight forward response, why western societies have such a hard time to change: the capitalist market economy stands in the way of change.

Finally, Velux Copenhagen Living Places pointed out that we can account for energy sufficiency and resilience at the design stage for features like shading, thermal mass, and natural ventilation without using engineers’ metrics for mechanical efficiency (another question posed by the conference organizers). Thus, on the second day the optimism took over and feasible strategies to account for embodied carbon emissions in construction and design were presented. Timothee Di Toldi won well deserved ICARB best paper prize for a thorough study of the benefit of thermal mass and natural ventilation even in the warming climate of France. Even when heat pumps might be the most immediate solution for the masses of buildings to connect to the decarbonized grid, resilience considerations will continue to address passive design strategies in the energy transition, as only a building where windows can be opened and a thoroughly designed thermal enclosure can remain inhabitable when the power goes out in an erratic wind storm—those will increase as the summer of 2023 already has shown. 🖐

—Ulrike Passe

## ICARB 2023 ARTIFACTS

Thanks to delegates for all their contributions to ICARB 2023. We've now posted selected YouTube videos of a few speakers, the Book of Abstracts, many of the Power Point Presentations that may be useful for teachers and researchers, and the *ICARB Proceedings* including all submitted papers. We've completed the on-line record with a Legacy Document with reports on all Plenary Sessions and Workshops and some Reflections of the conference from delegates on what they learned. These are all downloadable from <<https://icarb.org/2023-conference/papers/>>.

You may also be interested to look at the short article I published last week in *Building Design* to mark the start of COP28 with my own take on key revelations from the conference. See <<https://www.bdonline.co.uk/opinion/cop-28-net-zero-buildings-by-2050-you-have-got-to-be-joking/5126486.article>>.

Because of the need for rapid adaptation to our warming climates each of our conferences are simply a step towards creating safer buildings for the climate, environments, and occupants as we approach the predicted climate tipping points within the next decade or so.

The next conference in our series is being organized by Rajan Rawal and the team at CEPT in Ahmedabad, India 13–15 Dec 2023. It is the fourth of the Comfort at the Extremes conferences and worth watching closely if you cannot be there. See <<https://cate2023.org/>>.

There will be some real revelations on how to both slash emissions from buildings and reduce the impacts of the warming climate in them. Papers from around the world outline not only the extreme temperatures people consider acceptable (not least from the Buddhist monks and nuns of Northern India) but also the speed at which far-sighted countries like India, Japan, Brazil, and now Australia are rolling out different Adaptive Comfort zones for their very different climatic regions, resulting in huge potential energy and emissions savings. 🙌

—Sue Roaf

## IN SBSE'S ATTIC

Many years ago I promised Charlie Brown that I'd post SBSE archival materials on the web site. It seemed like a doable project since I have file drawer full of old SBSE stuff. In reality, it remained on my back burner until I retired. Sadly Charlie isn't around to see that I finally came through.

It was easier than I imagined! A few years ago I uploaded all the post-1992 SBSE News issues, so my challenge this year was to fill in the gaps for the SBSE Retreats. Everything after 2002 was simple, before that not so simple—only sketchy hard copy material existed. That said I need some help from those of you who have attended those early retreats. The 1994 and 1995 retreats are especially under represented, Scroll down memory lane at <<https://www.sbse.org/retreats/>> to see if you can contribute attendee lists, photographs, or any thing you see missing! E-mail your contribution to me at <[bhaglund@uidaho.edu](mailto:bhaglund@uidaho.edu)>.

One of the cool things I uncovered was a roster of those present at the first organizing meeting of the West Coast ECS Club (soon to be SBSE) called by Ed Arens and Charlie Brown at the 1983 International Daylighting Conference in Long Beach, CA. It was a resolute group of 30, so you may recognize many of the participants: Ed Arens, UC Berkeley; Cris Benton, Georgia Tech; Bill Borner, U Nebraska; Dale Brentrup, ASU; GZ (Charlie) Brown, U Oregon; Harvey Bryan, MIT; Gary Coates, Kansas State; Ray Cole, U British Columbia; Steve Dent, U New Mexico; Bruce Haglund, U Idaho; Dean Heerwagen, U Washington; Min Kantrowitz, MKA Inc.; Lee Kvarnberg, U Houston; Lance LaVine, U Minnesota; David Lord, U Hawai'i; J.A. Love, U Calgary; Joel (Lakin) Loveland, U Washington; Paul Lusk, U New Mexico; Doug Mahone, Van der Ryn, Calthorpe & Assoc.; Jim Maloney, Oregon DOE; Marietta Millet, RPI; Jim Mitchell, Montana State; Chris Morgan, Louisiana Tech; John Reynolds, U Oregon; Dave Scheatzle, ASU; Bob Shibley, SUNY Buffalo; Mark Shiler, USC; Gary Siebein, U Florida; Harris Sobin, ASU; and Susan Ubbelohde, Tulane. Who do you know?

There's more to come. Stay tuned! 🙌

—Bruce Haglund

## JOB OPS

### CAL POLY SLO

The Architecture Department is seeking applications for a full-time, tenure-track Assistant Professor to begin 16 Sep 2024. Primary teaching responsibilities will include architectural building technology lecture courses and related hands-on activity coursework and may also include undergraduate design studios.

For more information visit the job posting here: <https://jobs.calpoly.edu/en-us/job/533399/assistant-professor-in-architecture>

Applications close: **Open Until Filled.**

—Sandy Stannard

### TORONTO METROPOLITAN UNIVERSITY

The Department of Architectural Science invites applicants with demonstrated expertise in climate-responsive design and holistic approaches to integrating sustainable systems and building science in an architectural context to apply to the Tenure Track Position in Architectural Science.

For full information, go to <[https://hr.cf.ryerson.ca/ams/faculty/preview.cfm?posting\\_id=549364](https://hr.cf.ryerson.ca/ams/faculty/preview.cfm?posting_id=549364)>.

—TMU

### UNIVERSITY AT BUFFALO

The School of Architecture and Planning, invites applications for the position of Assistant/Associate/Full Professor and Director of Research for the newly endowed (\$5M) Rudy Bruner Center for Urban Excellence (RBC). The Director of Research is an academic year appointment with dedicated time for developing research, educational, and strategic initiatives. See <<https://www.ubjobs.buffalo.edu/postings/46106>>.

Applications close: **Open Until Filled.**

### UNIVERSITY OF WATERLOO

We seek a lecturer in Architectural Engineering/Architecture. See <<https://uwaterloo.ca/engineering/lecturer-opening-architectural-engineering>>.

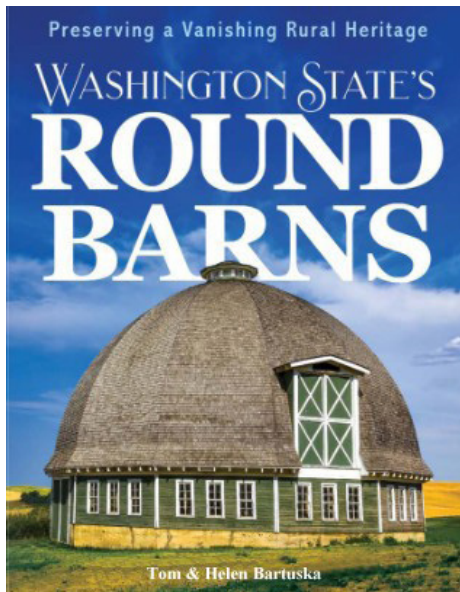
It's a teaching-focused position, with many of the required courses studio-focused. Our AE program is brand newish—just accredited this year with our first class of grads. The teaching will be split between AE and Architecture.

Applications received by **19 Jan 2024** will be given full consideration. 🙌

—Terri Boake

## BOOK NOOK

## WASHINGTON STATE'S ROUND BARN



cover: WSU Press

Barns, especially round barns, are sadly vanishing from the rural landscape. They're beautiful icons of our country's landscape and an important part of our rural cultural heritage. Round barns (including polygon) are particularly unique as they were a special part of the development of agricultural science and research to optimize dairy productivity in the early 1900s. Of the ~3,000 barns in Washington, we've discovered only 21 round barns. Alas, 7 have disappeared due to weathering, winter storms and auto-driven sprawl—only 14 remain.

We've documented the history of the development of round barns and all 21 in Washington with extensive historic and contemporary photographs. We've been interested in round barns, reanimating rural architecture and communities for over 60 years. Throughout the years, we've interviewed generations of owners and photographed the round barns (many before and after they collapsed) and finally decided to put our experiences into a manuscript before more disappear or we do.

Preservation of these special structures, historic buildings, rural communities, and sustaining our planet is woven throughout our story. We have included other unique barns (round and rectangular) throughout the United States, and landmark historic buildings that have been restored for alternative uses as well as the people with the will and wisdom to revitalize our natural environment and rural communities—encouraging others to sustain our cultural heritage throughout the country. 🖐

—Tom Bartuska

## BUILDINGS &amp; CITIES CALLS AND SHARES

## SPECIAL ISSUE: ENERGY SUFFICIENCY IN BUILDINGS AND CITIES

Deadline for abstract submission: **15 Jan 2024**

How can conditions be created for decent living standards for all without exceeding planetary limits, during an energy transition and beyond? This question is at the heart of this special issue.

Contributions are sought that complement, challenge or further develop current conceptions of 'sufficiency'.

For the full submission details, list of topics and further information, visit our Community Website <<https://www.buildingsandcities.org/calls-for-papers/energy-sufficiency.html>>.

## SPECIAL ISSUE: DATA POLITICS IN THE BUILT ENVIRONMENT

We're sharing this special issue advances understandings of the practices, politics and power implications of data-driven buildings and cities

Buildings and cities are increasingly being reconfigured and reimagined by flows of data e.g. in smart homes and cities, digitally networked infrastructure services, shared mobility programmes and autonomous vehicles, surveillance and security systems, and urban control centres. The benefits of a datafied built environment are uneven and result in detrimental impacts to some individuals and groups at the expense of others.

Open Access to the special issue: <<https://www.buildingsandcities.org/journal-content/special-issues/data-politics-si.html>>.

## SPECIAL ISSUE: UNDERSTANDING DEMOLITION

We're sharing this special issue examines why demolition occurs, its consequences and how a more sustainable approach can be created.

In the sustainability discourse, the long-lasting nature of buildings and building stocks is rarely investigated. This special issue explores when, why and how demolition occurs with the aim to understand its environmental, socio-economic and cultural drivers, and consequences for policy and practice.

Open Access to the special issue: <<https://www.buildingsandcities.org/journal-content/special-issues/understanding-demolition2.html>>.

## SPECIAL ISSUE: SOCIAL VALUE OF THE BUILT ENVIRONMENT

We're sharing this special issue exploring current and potential approaches to defining, delivering, monitoring and evaluating social value in the built environment, its benefits and consequences and its relation to other existing policy mechanisms.

Open Access to the special issue: <<https://www.buildingsandcities.org/journal-content/special-issues/social-value-si.html>>. 🖐

—Richard Lorch

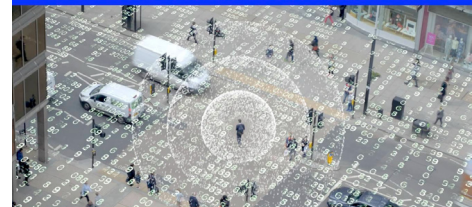
## Energy Sufficiency in Buildings &amp; Cities



Call for Papers

graphics: Buildings &amp; Cities

## Data Politics in the Built Environment



SPECIAL ISSUE

## Understanding Demolition



SPECIAL ISSUE

## Social Value of the Built Environment



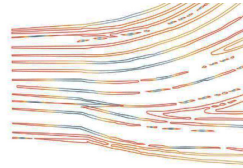
SPECIAL ISSUE

## EVENTS

### CATE 2023 AND 2024

The subject of Comfort at the Extremes is growing more extraordinary every year. On **13–15 Dec** CATE 2023 will be in Ahmedabad, India and bodes to be ground breaking. Papers cover the amazing way that the Australian and Indian building performance calculation methods now consider adaptive regional comfort temperatures—so, Melbourne has a very different comfort zone than Darwin. Perhaps more amazing one study shows that Buddhist monks in Northern India begin to get uncomfortable as temperatures nudge over 100F (37.8C). Someone who has only occupied spaces at 68F (20C) to 79F (26C) would not last long in 100F heat, but people adapt to temperatures they normally experience. Check out the papers and the proceedings at <https://cate2023.org/>.

**CATE** 2023  
COMFORT AT THE EXTREMES 2023  
WEDNESDAY - FRIDAY, DECEMBER 13TH - 15TH, 2023  
CEPT UNIVERSITY | AHMEDABAD, INDIA.



graphics: CATE 2023

CATE 2024 will be in Seville, Spain next November, another hot spot. Put that in your diaries too. The growing issue now is the affordability of comfort as many of us will understand all too well.

—Sue Roaf

### EDRA 55 PORTLAND

The Environmental Design Research Association (EDRA) invites practitioners, researchers, and educators to submit their proposals for EDRA's 55th annual conference. The event is hosted by the University of Oregon in Portland. It will center on promoting human-centric design that considers people's prosperity, satisfaction, and well-being while celebrating sustainability, resilience, and diversity in the built and natural environment at all scales.

EDRA55PDX will be a progressive setting to question and explore human-centric environments and design in six conference tracks and scales. We will frame our discussions in all of the conference tracks of our design, research, and policy projects by asking key questions:

- How can the design of the built and natural environments be analyzed and evaluated from a human-centric perspective?
- How can we think of the multiple subthemes and tracks from a premise of putting the human at the center of our design and research projects?
- What is the role of human-centric design and research in the age of AI?
- What does it mean to occupy environments that are both human-made and human-centric?
- How can teaching future generations of designers flourish with transdisciplinary collaborations that celebrate human-centric design pedagogies?

I urge you to consider submitting presentations, papers, posters, workshops, symposia proposals, mobile sessions, etc. to it. The deadline for all peer-reviewed submissions is 12/18/2023. EDRA doesn't follow a two-stage peer review for the papers. If you choose to submit a full paper to the conference, it's due on **18 Dec 2023** at <https://edra.confex.com/edra/EDRA55/cfp.cgi>. 🖱

—Ihab Elzeyadi



**edra55**  
Environmental Design Research Association  
HUMAN-CENTRIC DESIGN  
PORTLAND OREGON CONFERENCE  
June 19 - 22, 2024

graphics: EDRA 55

## STUFF FOR YOU

### CLIMATE CONSULTANT FOR MAC

Our Mac expert is working on a new release of Climate Consultant to solve the Java and graphics problems that have prevented CC from running on Ventura or newer Macs. He hopes to have a beta release on the SBSE site in a month or two, so if you are interested in helping us test it please let me know [milne@ucla.edu](mailto:milne@ucla.edu). Note that in the meantime it still runs on prior Mac operating systems or in a Windows partition. The PC version remains unaffected. 🖱

—Murray Milne

### LATE JOB OP

This one came in just in the nick of time.

#### MIT

The Department of Architecture is soliciting applications for two tenure-track faculty positions at the Assistant Professor or Associate Professor without Tenure level. Both positions will be at the interface between Building Technology and Architecture Urbanism with one position housed within each discipline group.

Please share within your network and/or consider applying yourself at <https://apply.interfolio.com/136680>. 🖱

—Christoph Reinhart

## FOOD FOR YOU

When in Edinburgh try this deli and walk



through it (mmmmmm!) to find lunch. 🖱



photos: Bruce Haglund

—Bruce Haglund

## SBSEERS WEIGH IN

I am truly sorry to hear of Fuller’s passing. Like Bruce Haglund, I have many fond memories of Fuller. He was truly a major force in the SBSE and in environmentally conscious architectural design in general. He had a great insight into what should be done to achieve responsible design, and he had extraordinary energy to personally pursue this, as well as his interest in sailing.

—David Lee Smith

Fuller was so kind to me as a young graduate student. After I gave a couple of papers at a solar conference in Florida and attended the hottest and most humid SBSE retreat on record on a practically uninhabited Gulf island, he wrote an unsolicited letter to Virginia Tech for my application to what was to become my first job in 1992. The playfulness and generosity and humble leadership he offered there was then and still is an inspiration and fueled my enthusiasm. Over the years after that he would keep giving away his knowledge, experience and later, his books. 🖐

—Mark DeKay

[There were many more!—ed.]

## FAREWELL FULLER MOORE

I wanted to let the SBSE community know that Fuller passed away early this morning (~03:30, 11/1) He had advanced Parkinson's, did well for a number of years, but the last few years were very tough as he could no longer do the things he enjoyed. His sons and I were at his side and he was able to be at home as he wished. Now Justin, Mike, and I are together and remembering Fuller, having some laughs.

He certainly enjoyed his SBSE friends and the years he was active in the group.

Fuller didn’t want much fuss, and desired to be cremated and ashes sent out to sea.

Please alert the SBSEers who would remember him. Here is the obit his sons wrote <<https://kalasfuneralhomes.com/obituaries/Elijah-Moore,Jr.-9929>>. I think it captures a large part of Fuller. The photos we placed in the memories section show him on his boats. He was a wonderful soul, who I loved fully and will miss. But, he died on his own terms with Fuller-determination that we all know and love. The world has lost a good soul. 🖐

—Jane Moore



photo: SBSE archives

Fuller (check shirt) at the inaugural SBSE Retreat at Heceta Head, OR in 1986. Among those pictured are Charlie Brown, Ginger Cartwright, Jeff Cook, Bruce Haglund, Jackie McBride, and David Lee Smith.

## SBSE CALENDAR

### 2023

Dec 13–15 CATE 2023/Ahmedabad, INDIA

### 2024

May 20–23 ASES Solar 2024/Washington, DC, USA

May 21–23 2024 Getting to Zero Forum/Charlotte, NC, USA

Jun 19–22 EDRA 55/Portland, OR, USA

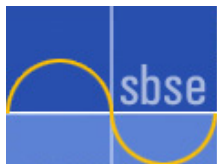
Jun 25–28 PLEA 2024/Wroclaw, POLAND

Jul 25–27 IBPC 2024/Toronto, CANADA

Oct 29–31 JITH 2024/Paris, FRANCE

Oct 29–31 CATE 2024/Seville, SPAIN 🖐

## SPRING ISSUE SUBMITTAL DEADLINE—MARCH 1



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To: SBSE Members and Friends  
Planetwide



FULLER\* MAIL

\*Fuller Moore was an SBSE Past President and the inspiration for this newsletter..