Adapting to a New Sense of Place

Imagine you’re standing at an overlook, a small patch of the Sonoran desert at your feet. In front of you, the sun glints lightly off the glass of Biosphere 2; the camera shutter closes. It is not yet too hot, and a slight breeze rustles the vegetation. As you begin to walk, the crunching of rocks beneath your feet breaks the silence.

This spirit of place is what you hope to capture and retain: the spirit of the retreat becomes a place for learning and development. With this spirit, the first experience of something new is often the most influential. This retreat is your first, suggested by your advisor. The location was certainly unique: Oracle, AZ, at Biosphere 2. It wasn’t the location that made you nervous: it was a sense of the unknown. Would you fit in? Would your presence be accepted? Immediately you find there was nothing to worry about. Everyone at the retreat is very friendly, talkative, and interested in exploring a common topic related to architecture. You find a sense of camaraderie in and through like-minded students, educators, and professionals.

You’re looking for technical and practical knowledge and find it, but also gain experiences uplifting to new educators. The enthusiasm and drive of everyone at the retreat is instantly apparent. The presentation sessions are fantastic: meeting other people and hearing their stories is even more invaluable. You learn from folks at all experience levels with advice for every step of the professional process. You discover even the small casitas facilitate these discussions, the past experiences of others informing the future; that experience is a continuum, not discrete moments in time. These interactions demonstrate the importance of continued, life-long learning.

You are seeking to understand traditions. You have never done an omiyage before. Will the gift you make be acceptable? The omiyage is a fantastic idea for everyone. It pools resources and combines knowledge. There are a whole variety of gifts ranging from live readings to educational material, to art, and even food. These gifts you find limited only by
LETTERS TO THE EDITOR

[Tikes! No letters this time, so I’ll answer a question that arose at the retreat and rerun a letter from the last issue with updated commentary.—ed.]

“How do you pronounce SBSE?”
—names withheld

[We spell it out: S B S E, “es bee ess eee.” We don’t pronounce it as a single word, “sib-see,” as does a topically related, UK-based organization, the Chartered Institute of Building Service Engineers (CIBSE).—ed.]

“Knock Nick Pine off the back page!” Oh no!
—Nick Pine, Back Page King

[Last time: OK, Nick, you still rule!—ed.]

[Update: I guess it takes a man with antlers to...
—names withheld

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; Department of Architecture; University of Idaho; Moscow, ID 83844–2451; tel 208.885.6781; fax 208.885.9428; e-mail <bthaglund@uidaho.edu>. Direct membership and mailing list inquiries to Alexandra Rempel, Secretary–Treasurer; Environmental Studies Program; University of Oregon; Eugene, OR 97403; e-mail <rempel@uoregon.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>.

SBSE AS ISISYPHUS? OR THOUGHT LEADERS?

[These messages by Walter and Don began a chain of events that led to a second SBSE recommendation to NAAB and a singular plea by Walter to re-establish the sustainability SPC. These efforts found support in the building science community.—ed.]

As many of you are aware, several months ago SBSE coordinated a collective response to the first draft of proposed revisions to the NAAB conditions for accreditation. This response (incorporating a number of specific suggestions) was duly submitted. And—completely ignored.

NAAB has released a second draft (“reading”) of their proposed conditions for accreditation. This draft (if it’s possible) is perhaps even more dismissive of the environmental responsibilities of architectural education than the first draft. A redline markup is available at <http://www.naab.org/r/news/view.aspx?record_ID=149> for a quick comparison of the first and second drafts.

I encourage the leadership of SBSE [and SBSEers at large!—ed.] to take concerted action to actively and aggressively challenge this latest proposed set of accreditation criteria. Silence is acquiescence. [ed.’s emphasis.]

Unless I am terribly mistaken, all the issues related to the environmental impacts of architecture have not been resolved. The impacts of design decisions on current and future generations have become magically benign. It seems inconceivable that NAAB will walk away from any serious engagement with these issues at this point-in-time.

Summary of major issue: “Sustainability” and its associated concerns have been deleted as a student performance criteria (requiring specific evidence of capabilities) and elevated to a “perspective.” The main problem with this approach is that a perspective requires no evidence of student work and is addressed via creative writing by program administrators.

Summary of secondary issue: The wording of the student performance criteria related to SBSE interests has become so banal there is no longer any expectation that concerns such as green design, climate change, carbon-neutral design, or net-zero energy design would even be discussed within an accredited program.

If Walter is correct, one can rightly say that the architectural education community has chosen to be part of the problem that confronts our national and international communities, not understanding the science behind the climate of the future as fundamental to being able to engage public discussion as informed professionals on public health, safety, and well-being.

Without detailed knowledge of the NAAB discussion, I think that the ACSA and NAAB should make a public statement addressing the issues that Walter raises, specifically explaining why they have elected not to express knowledge of climate, energy, and environment among the requisite educational criteria of professional education.

If you agree, please forward this e-mail, along with the points that Walter raises, to those responsible leaders of the architectural education and professional communities who are the ostensibly “wise” heads and leaders on the points raised. The issue also deserves to be considered by the students in Schools of Architecture so they can wisely choose educational paths to prepare them for a meaningful and ethical practice in the face of our uncertain future.

—Don Watson

[The SBSE Board’s response to NAAB and Walter’s plea, both posted to the SBSE listserv before NAAB’s June 24 deadline, inspired an open letter by Carl Sterner (Sefaira) to NAAB: <http://www.carlsterner.com/writing/2014_open_letter_to_NAAB.html > and BuildingGreen’s editorial <http://www2.buildinggreen.com/article/architectural-board-should-reinstate-sustainability-criteria>. Read these!!! They support our submissions and claim we’re thought leaders. Who knew? I wonder how NAAB will receive expert advice echoed from multiple sources.—ed.]

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AT THE RETREAT

SBSEers Ayush Vaidya, Shannon McDonald, Seth Holmes, Mary Rogero, Michael McGlynn, and Jim Wasley enjoy the evening coolth at the omiyage session at Biosphere 2.
IS THERE ANOTHER PATH?

PROPOSAL FOR INCREASING THE TEACHING OF SUSTAINABILITY IN ARCHITECTURE SCHOOLS

Peter Papesch and others have been trying to change NAAB’s conditions for accreditation in regard to sustainable design for many years, albeit with very limited success. To achieve the maximum change in the shortest amount of time, several parallel efforts should be made. The following proposal is one such effort.

“LEED–Teach” (not the final name [agreed, word smithing required! And shouldn’t the levels be shades of green?—ed.]) is a voluntary program to encourage schools to make the necessary changes with the hoped for viral effect similar to how LEED is transforming the way many buildings are designed. A school can apply for LEED–Teach certification by making a number of required changes and by achieving enough points to be awarded platinum, gold, silver, or basic certification. LEED–Teach would be supported by the USGBC, AIA, and other groups. The certification would be awarded at a national conference such as GreenBuild and/or the annual AIA conference to give it significance and status. Because the program is voluntary, no permission is needed, and therefore, the big obstacle is getting enough people to support it.

There is presently a committee working on this project with representatives from USGBC and AIA. Anyone interested in supporting this project could serve on a subcommittee. We are presently looking for people to serve on the committee creating the certification requirements and on the committee investigating the present level of sustainable design education in architecture schools. If interested, contact Norbert Lechner <lechnnm@auburn.edu>.

The following LEED–Teach certification requirements are an example of what might be required.

### LEED–TEACH CERTIFICATION

<table>
<thead>
<tr>
<th>Level</th>
<th>Points Required</th>
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<tr>
<td>Platinum /Sea/</td>
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<tr>
<td>Gold /Forest/</td>
<td>?</td>
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<tr>
<td>Silver /Olive/</td>
<td>?</td>
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<tr>
<td>Basic /Lime/</td>
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</table>

#### Requirements

1. The school must make a public statement that it gives teaching sustainability—including energy- and solar-responsive design—a high priority. Making the statement public consists of the following:
   a. dean and department head regularly address the student body
   b. prominent and permanent posting of the statement (e.g., right outside department office)
   c. prominent display on school’s web site
   d. each student given a hard copy.

2. Every studio project handout (except early abstract design projects) must state that energy and solar-responsive design are a high priority in this project.

3. A minimum of 6 contact hours of environmental control courses (e.g., two courses of 3 semester credits each)

4. A LEED–Teach provided survey must be sent to all recent graduates who will return it directly to the LEED–Teach headquarters. The schools receive a copy of the analysis.

Sample question:

My school promoted sustainable design: 1 2 3 4 5

not at all somewhat very much

Obviously, this outline requires much more thought and input! Volunteer to help.

—Norbert Lechner

DESSERT DICHOTOMY

SBSEers demonstrate proper mitigation technique for a sunny day in the Arizona desert at the Biosphere 2 test module mostly hanging out in the shade.

### RETREAT RETRO [CONT.]

the collective imagination. You find strength in a community that freely shares such traditions.

You go, seeing its potential. It is the potential to have support, guidance, and friendship in the professional realm, coupled with the potential to unlock the curiosity of students. Is the retreat worthwhile? Yes, absolutely. Would you come again? Of course. The opportunity provided by the scholarship programs and the retreat itself are too important to miss.

All this magic happened! See you next year! 🌵

—Ken Black

[Ken was one of the SBSE Retreat Scholars. More retreat info at <http://www.sbse.org/Retreat2014>.—ed.]
Christoph Reinhart’s *Daylighting Handbook I* is an attractive volume covering introduction to and fundamentals of daylighting in buildings. I can’t think of anything I didn’t like about it. Here are some highlights:

- The book discusses, in detail, what daylighting is and should be from multiple perspectives, taking into account design quality, energy impact, and quantitative metrics. This full appreciation of design challenges makes it an excellent learning resource and equally essential for architects and engineers.
- Rules-of-thumb! They are provided as a practical guide to building massing and are simple and useful.
- Healthy balance of pen-and-paper methods, computational tools, and physical model approaches.
- SI units and non-hemisphere-specific language (“equator-facing”). Thank you!
- Very efficient use of paper—if you like to deface your books, you’ll have to stock up on sticky notes as there is hardly any blank space.

As a practicing engineer and (currently non-practicing) building science educator, *Daylighting Handbook I* has quickly become an indispensable reference. It is the first volume in a series, and I look forward to the next.

—Kat Healey

**DIAGRAMMING INFORMATION FOR ARCHITECTURAL DESIGN**


I was pleased to hear that some of Edward T. (Tim) White’s numerous publications (26 in all) were to be republished by ArchiBasX Press. ArchiBasX, the brainchild of architect and professor Barry Yatt (The Catholic University of America), is an on-demand publisher using lulu.com to republish White’s work in a compact 9” x 7” landscape format.

*Site Analysis* and *Space Adjacency Analysis* take a decidedly graphic approach to their subject matter, following in the tradition of William Kirby Lockard’s *Drawing as a Means to Architecture* and his later, highly influential *Design Drawing*. The stylistic similarities are understandable given that White and Lockard co-taught drawing at the University of Arizona for many years. More important, White shares Lockard’s emphasis on process and design-through-drawing. Although White acknowledges the always incomplete nature of any analytic exercise, both books are grounded in the design-as-rational-problem-solving approach of the Design Methods Movement. Analytic diagramming is presented as the key to unlocking both problem and solution. For White, diagramming not only records, but transforms information “into more meaningful and evocative form for design,” which can lead to previously unimagined design ideas.

As an architecture student in the mid- to late-80s, I found these two books invaluable. As a design studio instructor 28 years later, I find no other books that cover this particular subject matter as clearly and comprehensively for the novice design student. For design studio teaching, I seek books I call “operational,” books that students can immediately use to support their
design process without the need for translation, such as *The Architect’s Studio Companion*, by Edward Allen. White’s books fit this bill. While clearly applicable to contextual and programmatic analyses, I have been able to transfer this method to other situations in the design cycle, particularly for refinement and communication of design ideas.

While I understand that ArchiBasX Press is simply reprinting the original books, *Site Analysis* and *Space Adjacency Analysis* would each benefit from revision. For instance, it would be useful to consider the role of digital technology in site analysis as it has had a profound effect on our ability to collect contextual information and to simulate contextual conditions. I also think a graphic update would be in order as these books likely appear dated to students and some faculty, which may lead them to discount the books even though they are still relevant in terms of content and method. I think it important that the graphic methods remain primarily handrawn to exemplify design thinking.

With this republication of *Site Analysis* and *Space Adjacency Analysis*, Tim White’s lucid graphic methodology is available to a new generation of novice and expert designers. These books should again find a home in architectural design studios at any year-level as well as in site design and architectural programming courses.

**SUN, WIND AND LIGHT, THIRD EDITION**

In a time when visual culture informs many design decisions, the most relevant aspect of the third edition of *Sun, Wind and Light* is its dedication to the generation of form based on energy issues. *SWL* continues to digest and simplify the mass of new information that has flooded in since 2001. Although it has added 225 new illustrations, 4 analysis techniques, 6 high performance assessment techniques, 15 design strategies, 7 synergies, and 9 bundles, it has tamed this expansion by splitting itself into a smaller printed version and a more electronic version, in addition to tying together the new and existing design strategies into “Synergies” and “Bundles.” The new organization is very logical, so much so that I’m considering re-organizing my ECS lesson plans.

The book’s reorganization necessitates a significant portion of the introduction to be dedicated to navigation strategies depending on whether the reader is a beginner or more advanced. These sections lead with questions that prod thinking about available resources and building program that may or may not lead to net-zero design. The reader is then introduced to 7 synergies and 9 bundles that provide a comprehensive way of assimilating the remaining tools and strategies that make up the bulk of the book. Like *A Pattern Language*, which appears to have influenced the first edition, Brown and DeKay start with larger scale urban, neighborhood, or site design followed by building and component scales.

Brown and DeKay introduce sticky teaching metaphors like “Thermal Sailing” which provide a memorable lens to assimilate subsequent design strategies. As one of the seven “Synergies,” Thermal Sailing demonstrates how thermal mass storage strategies, in combination with responsive building envelopes, can dynamically harness climatic forces for greater comfort and energy conservation. Although this synergy was suggested in previous editions, making it a stand-alone section highlights its relevancy.

I find the “Bundles” section useful because it demonstrates how strategies can be tied together to form a coherent whole towards achieving net-zero design. Students can easily digest the individual parts or strategies into hierarchical bundles. The most important strategies are

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**BR&I SPECIAL ISSUES**

This year Building Research & Information has published three special issues that are pertinent to SBSEers. The editorials and two articles in each are available at no cost, online.

Check out the three special issues:

- Resilience in the Built Environment [http://www.tandfonline.com/toc/rbri20/42/2#]
- Understanding Energy & the Building Stock: In Memory of Harry Bruhns [http://www.tandfonline.com/toc/rbri20/42/1#]

—Richard Lorch

**BOOK REVIEWS [CONT.]**

highlighted central Core Strategies, followed by Situational Strategies, and then outlying Refiner Strategies. All are represented and labeled with easy to identify phone app-like icons. Like *A Pattern Language*, related strategies are directly referenced within the text. To maintain reading flow, the new edition has omitted the abstract number and letter reference system, with related strategies cited using ALL CAPITAL LETTERS.

In line with DeKay’s interest in Integral Theory, could future editions tie into or bundle with other form-generating books that potentially complement conservation strategies, e.g., Christopher Alexander’s *A Pattern Language*. Although Alexander’s patterns are more qualitative, there does appear to be overlap. Since many issues in the history of modern architecture have been concerned with our quality of life, why not tie together synergistic patterns?

—Philip Mead

Where in the world are Shannon McDonald, Paul Drougas, Ken Hall, and Marc Schiler? Easy answer!
**Building Research Information Knowledgebase (BRIK)**

BRIK is an interactive portal offering free online access to professionally-reviewed research in all facets of the built environment. A joint venture of the American Institute of Architects (AIA) and the National Institute of Building Sciences (NIBS), BRIK seeks knowledge collaborators from nonprofit associations, educational institutions, national labs, government agencies, professional firms, and for-profit companies. To explore BRIK and to learn how to become a knowledge collaborator, visit <http://www.brikbase.org>.

—Virginia Ebbert

**Glasgow School of Art**

We have a lecturer/researcher post available at the Mackintosh School of Architecture. The post will be central to the research and teaching of environmental design and will be part of the Mackintosh Environmental Architecture Research Unit. We are looking for someone with expertise and enthusiasm to join this rapidly growing team. Application at <https://gsa.engageats.co.uk>.

—Tim Sharpe

**Idaho Integrated Design Lab**

We are pleased to announce an opening for a new position at the University of Idaho Integrated Design Lab in Boise (UI–IDL). For full information see <https://uidaho.peopleadmin.com/postings/4343>. This position is for a non-tenure track Research Assistant Professor of Architecture. The chosen applicant will support the building simulation and professional technical assistance outreach activities and will also contribute to meeting the UI–IDL teaching obligations to graduate students in architecture/engineering courses in Boise, possibly including comprehensive architectural and urban design studios, and energy modeling and daylighting seminar courses.

For more information about the UI–IDL, see <http://www.uidaho.edu/idl>.

—Kevin Van Den Wymelenberg

**Upjohn Research Program**

The AIA has released the call for the 2014 Upjohn Research Program. Information about AIA past Upjohn research and the 2014 Upjohn poster is posted to the AIA Research page. The poster’s direct link is <http://www.aia.org/practicing/akr/AIAB102107>. Proposal submission deadline is Sep 1, 2014.

—Richard Hayes

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**Lighting and Energy Resources**

**Tools for Daylighting Studies**

As daylighting seemingly becomes more complicated, lighting designers and architects can turn to traditional physical modeling tools and techniques that may help simplify matters.


—Elizabeth Donoff

**Energy Simulation**

We’ll be offering a two-day Executive Education Program on Energy Simulation at Harvard from July 14–15, 2014. This program and our Daylighting workshop run back-to-back with a weekend break in between.

This course explores the use of computerized energy simulation in pursuit of high-performance building design. Participants will learn to perform energy simulation to explore architectural design issues such as building massing, fenestration design, and envelope construction. The software used will be DesignBuilder, but the core concepts are platform independent. Topics include underlying physical principles, understanding simulation assumptions, time-saving strategies, and interpreting simulation results with an emphasis on developing the ability to translate the analysis into design decisions.

—Holly Samuelson

**International Radiance Workshop**

London Metropolitan University, in partnership with Arup, will be hosting the workshop at Arup’s headquarters office and at London Metropolitan University. We are pleased to launch the web site of the 13th International Radiance workshop to be hosted in London, 1–3 September 2014. See <http://nceub.org.uk/ocs/index.php/radiance/radiance2014>. Please have a look at the information published and create your user account to receive further updates and announcements specifically related to this workshop. Your user account will also allow you to upload an abstract [Deadline Aug 3.—ed.] if you wish to make a presentation at the workshop. You are also welcome to just attend and learn more about Radiance and its latest developments. You can register and pay your fee at a later date.

With a long tradition of gathering academics, consultants, and anyone interested in lighting-related subjects using Radiance software, this event is a great opportunity to learn and to discuss ideas. We hope you are able to participate at this Radiance International Workshop.

—Luisa Brotas and Francesco Anselmo

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**SBSE Retreat scholars (left to right: Mohammad Taleghani, Tom Collins, Kit Elsworth, Ayush Vaidya, and Ken Black) flanked by award presenters Alex Remple and Walter Grondzik.**

**SBSEer Robert Marcial examined a daylighting model under PG&E’s artificial sun oh so many years ago!**

—Elizabeth Donoff
MORE LIGHTING AND ENERGY RESOURCES

SBSE TRAIN THE TRAINER EVENT

We are pleased to announce the first in a series of interactive “SBSE Train the Trainer Events.” This event will take place in San Francisco on July 9, from 2:00 to 5:30 pm—right after ASES 2104—at Autodesk’s San Francisco Office. Christian Kohler from Lawrence Berkeley National Laboratory will provide an overview of their key energy modeling tools; Autodesk will run sessions on energy and daylighting analysis; and Murray Milne, the creator of HEED, Climate Consultant, and many other free tools developed at UCLA’s Department of Architecture, will offer a short tutorial and an update on new versions. We expect this workshop to be an opportunity to directly engage the authors in discussions of directions for future development.

Attendees need to bring their own laptops. More information regarding software requirements will be provided soon.

This event is **open and free** to all SBSE members. Space is, of course, limited—first-come, first-served. To register please contact Pablo la Roche at <pmlaroche@csupomona.edu>.

The event will be in the San Francisco Gallery, on the 2nd floor, Suite 200, at The Landmark @ One Market, San Francisco, CA 94105.

HEED AND CLIMATE CONSULTANT

*HEED (Home Energy Efficient Design)* and *Climate Consultant* are now posted and ready to help Californians design homes that meet or exceed the new Title 24 Residential Energy Standards that becomes effective on July 1, 2014. These are cross-platform (Mac and Windows) software design tools developed at UCLA with support of the California Energy Commission. They can be downloaded, free, from <http://www.energy-design-tools.aud.ucla.edu>.

*Climate Consultant* shows a variety of graphic representations of your local hourly climate data. It identifies the best set of passive design strategies for your specific conditions, and displays a set of sketches showing how each guideline can be applied to a residential building design.

*HEED* is a user-friendly, beginning-phase tool that automatically designs a reference code-compliant building that meets your specifications in your climate. It then creates a second building using passive design principles that is about 15% better. *HEED* allows you to compare up to nine different design alternatives, showing a bar chart of each one’s energy rating and how close it comes to zero-net-energy. *HEED* is intended to help you refine your best energy-efficient design before it is finally tested using CBECC–Res, California’s new compliance software. Extensive help screens are available in both programs, and a user e-mail hot line is available to answer more complex questions.

DIVA DAY

The next DIVA Day will be October 3, 2014, in Seattle, WA. See <http://diva4rhino.com/diva-day-2013> for all things DIVA.

CAVIN FAMILY TRAVELING FELLOWSHIP AWARDED

The 2014 Cavin Family Traveling Fellowship was awarded to University of Oregon graduate Drew Hastings for “Relics Park Visitor Center.” The final presentation was April 18 in Portland, OR. Drew was awarded the $10,000 prize at a dinner reception following the presentation of the four finalist entries. Second place was awarded to Alex Zelaya, also a UO graduate.

The jury appreciated the simplicity of Drew’s submission, commenting on how his simple formal gesture served to tie the existing building forms together and provided a unique set of programmatic relationships. His design thoughtfully integrated both active and passive sustainable measures without compromising the clarity of his design and the visitor’s ability to experience the historic structures on the site.

After earning his BArch degree in 2010 from Oregon, Drew worked for three years at WRNS Studio in San Francisco. He now lives in his hometown of Portland, OR, where he works for Holst Architecture. While in school Drew gained design–build experience through projects for UO DesignBridge, a student-led design–build group. He also studied furniture design in Copenhagen through DIS Study Abroad. Drew’s background in sculpture, construction, and furniture-making contributes to his interest in the craft of building design.

Drew’s plan calls for travel from northern Europe into central Europe, visiting sites that incorporate simple design aesthetics with sustainable features.

See <http://www.cavinfellowship.org/>. 

—Kip A. Dickson

SBSEers catch their breath inside the South Lung at Biosphere 2!
Marc Schiller and Harvey Bryan (foreground) and Paul Drougas and Troy Peters (background) take between-session networking breaks.

Stephen Selkowitz poses at FLEXLab. [As an Idahoan, I love the high-tech moose antlers protruding from his hard hat—ed.]

Stephen Selkowitz is leader of the windows and envelope-materials group as well as senior advisor for building science at Lawrence Berkeley National Laboratory (LBNL). From 1985 to 2011, he headed LBNL’s building technologies department, where he was the driving force behind a just-completed plug-and-play testing complex, the Facility for Low Energy Experiments (FLEXLab). Here users can mock up and evaluate the performance of proposed designs with actual building components such as cladding, windows, lighting, and mechanical systems. The new FLEXLab includes a rotating test bed that allows project teams and manufacturers—among others—to assess building environments in different orientations. On April 3, Selkowitz received the 2014 Award of Excellence from Architectural Record’s sister publication Engineering News–Record for his role in the development of the FLEXLab. [Check out <http://greensource.construction.com/people/2014/1404-newsmaker-stephen-selkowitz.asp> for the April Green Source article, the interview, and to watch Steve’s acceptance speech video.—ed.]

— Joann Gonchar

Stephen Selkowitz poses at FLEXLab. 

Steve Selkowitz and Flexlab Lauded

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More SBSE People at B2

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SBSE News

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Fall Issue Submittal Deadline—September 1

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— Joann Gonchar

SBSE Calendar

2014

Jun 28–Jul 2  ASHRAE Annual Conference/Seattle, Washington, United States
Jul 6–10 ASES Solar 2014 Conference/San Francisco, California, United States
Jul 7 SBSE Annual Meeting 12:30-1:30pm, Howard Room (5th Floor) at Solar 2014
Sep 16–19 ISES EuroSun 2014 Conference/Aix-les-Bains, France
Oct 28–30 World SB14 Conference/Barcelona, Spain
Nov 24–28 MACDES 2014 Tercer Congreso Internacional/Habana, Cuba
Dec 16–18 PLEA 2014/Ahmedabad, India

2015

Apr 6–9 ARCC Research Conference/Chicago, Illinois, United States
May 14–16 AIA Convention/Atlanta, Georgia, United States
Oct 28–31 PLDC 2015 Conference/Roma, Italy

Our 2 Cents

Norbert Mail

SBSE News

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Marc Schiller and Harvey Bryan (foreground) and Paul Drougas and Troy Peters (background) take between-session networking breaks.

Steve Selkowitz poses at FLEXLab. [As an Idahoan, I love the high-tech moose antlers protruding from his hard hat—ed.]

Stephen Selkowitz is leader of the windows and envelope-materials group as well as senior advisor for building science at Lawrence Berkeley National Laboratory (LBNL). From 1985 to 2011, he headed LBNL’s building technologies department, where he was the driving force behind a just-completed plug-and-play testing complex, the Facility for Low Energy Experiments (FLEXLab). Here users can mock up and evaluate the performance of proposed designs with actual building components such as cladding, windows, lighting, and mechanical systems. The new FLEXLab includes a rotating test bed that allows project teams and manufacturers—among others—to assess building environments in different orientations. On April 3, Selkowitz received the 2014 Award of Excellence from Architectural Record’s sister publication Engineering News–Record for his role in the development of the FLEXLab. [Check out <http://greensource.construction.com/people/2014/1404-newsmaker-stephen-selkowitz.asp> for the April Green Source article, the interview, and to watch Steve’s acceptance speech video.—ed.]

— Joann Gonchar

SBSE Calendar

2014

Jun 28–Jul 2  ASHRAE Annual Conference/Seattle, Washington, United States
Jul 6–10 ASES Solar 2014 Conference/San Francisco, California, United States
Jul 7 SBSE Annual Meeting 12:30-1:30pm, Howard Room (5th Floor) at Solar 2014
Sep 16–19 ISES EuroSun 2014 Conference/Aix-les-Bains, France
Oct 28–30 World SB14 Conference/Barcelona, Spain
Nov 24–28 MACDES 2014 Tercer Congreso Internacional/Habana, Cuba
Dec 16–18 PLEA 2014/Ahmedabad, India

2015

Apr 6–9 ARCC Research Conference/Chicago, Illinois, United States
May 14–16 AIA Convention/Atlanta, Georgia, United States
Oct 28–31 PLDC 2015 Conference/Roma, Italy

To: SBSE Members & Friends

Planet-wide

SBSE News

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Fall Issue Submittal Deadline—September 1

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