



photos: Christine Bachman

SBSEers gather in Los Poblanos' courtyard for the annual group photo.

REPORT FROM RETREAT 2011 ALBUQUERQUE

Our dinner with Ed culminated with Mazria telling us that, as built environment practitioners and educators, we hold the silver bullet for mitigating climate change. If we are successful in meeting the Architecture 2030 Challenge, the burning of coal for energy will become a rare act and CO_{2c} in the atmosphere can return to a more stable 350 ppm. We left La Placita Dining Rooms well-nourished and braced for the hard work ahead.

Los Poblanos surprised us with the grace and elegance of their facilities and service. We enjoyed a daylighted meeting room, delicious lunches under the arcade, and beautiful grounds to wander. This luscious setting was merely the backdrop for two full days of intense presentation, thought, and discussion. The single-session format that allowed everyone to participate in everything was also augmented by long breaks for networking. It seemed everyone took great advantage. All the presentations were linked by three common themes—architectural design that inspires and performs, integrated design process, and teaching evaluation—which allowed participants to examine the issues deeply and extend discussion across sessions. Terri Meyer Boake has posted the presentations on her web site <http://www.architecture.uwaterloo.ca/faculty_projects/terri/sbse2011.html>.

The business meeting at the end of the retreat featured three agenda items. The call for nominations for secretary/treasurer and president-elect was reiterated. See page 3. The group of Christine Bachman, Walter Grondzik, Bruce Haglund, Bob Koester, and Alison Kwok proposed a retreat, “The Next Generation,” aimed at improving teaching to reach the Architecture 2030 challenge. The intended site is the Idaho Field Campus at McCall. However, alternative proposals are still welcomed. See page 3. Finally, after discussion, SBSEers agreed that a soft launch of a BTES/SBSE journal as a special annual issue of *Building Research & Information* was the best way forward. Is anyone interested in editorial duties?

Kudos to Steve Dent and Kuppu Iyengar for site logistics (Great venue!) and to Christine and Leonard Bachman for structuring the content. Well done you! 🙌

—Bruce Haglund

SBSE CALENDAR

2011

Jul 13–15 PLEA/Louvain-la-Neuve, BE

Aug 4–7 BTES Conf/Toronto, ON

2012

Mar 18–21 Greening IX/Muncie, IN

Apr 12–15 Windsor Conf/Windsor, UK

May 14–19 ASES Conf/Denver, CO

Jun ??–?? ARCC Conf/Milan, IT

2013

Apr 15–20 ASES Conf/Baltimore, MD 🙌



photos: Bruce Haglund

Ed Mazria expands on his dinner keynote with retreat logistics organizer Steve Dent.

LETTER TO THE EDITOR

Things have been a little hectic for me, so it was only through the listserver that I realized the latest newsletter was available. Is it still possible to get a hard copy, or has it gone entirely electronic? Did I miss this announcement?? (Entirely possible since I'm trying to finish my dissertation.) The *SBSE News* and *Environmental Building News* are the two newsletters I try to get in hard copy because of their high level of quality content. Is there a metric for info density? Thanks! As usual, the current issue is full of terrifically helpful info.

—Nina Baird, Carnegie Mellon

[A devious move on my part. I posted the digital version before I left for spring break, but couldn't get the hard copy out until after the break. Glad to hear from a hard-copy fan though. I keep thinking it would be easier to just go totally digital, but, am also a hard-copy fan. Basically, I'd rather read from the printed page, so don't plan to discontinue it.—ed.] 🖱



photo: Harvey Bryan

Harvey Bryan and Sue Roaf visiting Sue's secret garden in Edinburgh.

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NEW FELLOW SPEAKS OUT!

ASES should emphasize not only Passive Solar, but also Heat Avoidance through solar-responsive design. Heat avoidance through such techniques as orientation, window placement, window size, shading, vegetation, and color of surfaces (albedo) is the low hanging fruit that needs to be picked first. With these strategies you get the most benefit for the least effort (money). Remember, that a dollar saved is a dollar earned, or as Amory Lovins says, “negawatts” are cheaper and more sustainable than watts.

These heat avoidance strategies use solar responsive design when the sun is most plentiful (summer). I am all for passive solar, but that strategy uses the sun when it is least plentiful. Furthermore, solar heat avoidance is required by almost everybody on the planet (about 7 billion people). Keeping cool in the summer is a challenge not only in the tropics, but also in temperate zones all the way to its northern reaches. For example, shading is a major strategy in Germany, which lies between 48° and 55° North latitude. Although the climate gets cooler as one moves towards the poles, the lower sun angles and more hours of daylight can increase solar overheating in the summer.

The peak demand for electricity in the U.S. occurs on a hot summer day when the sun is shining. Lack of Heat Avoidance through solar-responsive design is a major reason for this phenomenon. The same situation is increasingly true in other countries. Air-conditioning has come to the developing world. It is quite widespread in China and to some extent in India. After getting a TV most people in hot climates want air-conditioning. I believe that Heat Avoidance through solar responsive design is the number one solar strategy to reduce the threat of global warming because of both its huge potential impact and because it is ready right now. Thus, we don't have to wait for technological breakthroughs to make major reductions in the energy consumption of buildings.

I propose that Heat Avoidance through solar responsive design become an important and integral part of the Passive Division in ASES. I further propose that a major forum on this topic be held at the 2012 conference in Denver, and I propose that papers on this topic be encouraged when the call for proposals is made. *[Sounds like you've just volunteered to organize a shading forum. Hear, hear!—ed.]* There may be a belief that a subject like shading has been fully explored. I know this is just not true. Not only is there much that needs to be learned and reported on, but also much of what is known is false. Even designers who are believers, use strategies that do not work well because some commonly held ideas are myths. Mediocre performance is no longer an option—high performance is a requirement. Please join me in promoting Heat Avoidance through solar responsive design. 🖱

—Norbert Lechner



photo: Allison Kwok

Norbert Lechner, pictured with his son Ethan, became a Fellow of the Society at the ASES Conference in Raleigh.



photo: Bruce Haglund

SBSEers are seated and set to enjoy lunch under the arcade at Los Poblanos.

SOCIETY NEWS

NOTES FROM THE ANNUAL MEETING

[The official minutes are posted at <http://www.sbse.org/minutes/SBSEMinutesMay2011.pdf>. The following discussion is excerpted from those minutes.—ed.]

Besides the usual business, including reports (or lack thereof) from the Board, there was one major topic of discussion—How can we invigorate the Passive Track at ASES?

Primarily, the SBSE Annual Meeting will continue to be held at ASES.

Margot McDonald: ASES has undergone recent leadership changes, and, incredibly ASES membership is declining. How can we increase the building emphasis, and how do we market SBSE to new leadership?

Walter Grondzik: Historically there have been two tracks—active and passive. Four years ago the policy track was added, and there are fears it will supplant the passive track.

Harvey Bryan: Lots of people are going to other conferences in the plethora now available. Leads to fragmentation of the once one-big-happy-family.

Joerg Ruegemer: The value of passive design is underappreciated. Industry backs active technology, so it will always be fully backed, unlike passive.

Margot McDonald: The next conference theme is related to climate change—Re-Empowering the World. Is there a segment that SBSE can strongly impact?

Walter Grondzik: We must develop forum proposals. It's an international conference, so lots of participants will be from underdeveloped countries. Also, SBSEers should submit workshop proposals.

—Troy Peters

CALL FOR NOMINATIONS

We seek nominations for Secretary/Treasurer and for President-Elect. Please submit your nominations to the current Secretary/Treasurer, Troy Peters, at tnpeters@calpoly.edu. Per our by-laws, "Officer Nominations: a ballot will be posted within 30 days of the annual meeting and voting will be conducted by mail or electronic ballot. The Secretary/Treasurer will tabulate the vote by the end of October." President-Elect is a 6-year commitment as President-Elect, President, and Immediate-Past-President in successive two-year terms and Secretary/Treasurer is a two-year term. Holders of both positions are SBSE board members.

In recent history we have considered both the annual membership meeting at ASES and the annual retreat/business meeting as constituting the beginning of the 30-day period in which to post the ballot. Please participate!

—Leonard Bachman

CALL FOR PROPOSALS—RETREAT 2012

SBSE invites proposals for the 2012 annual retreat venue and coordination. See <http://sbse.org/retreat/> for history of several previous retreats. We will consider all proposals and suggestions. No locations are excluded at this time. The board and the membership will support these coordinators' planning efforts with advice, historical experience, and an organizational timeline. There may be links between the venue and the content (e.g., Water and Las Vegas), but such connections are not required.

Venue Coordinator(s)—have traditionally sought a reclusive meeting place within a natural setting, yet convenient for bused travel from a nearby airport and/or from a related event such as ASES (preferred), IES, PLEA, or somewhere SBSEers are likely to attend. Propose place and time (make confirmation of availability as plans develop), lodging, meeting facility, tours, special events, web page coordination, ground transportation, budget, web site registration, financial payments, and room arrangements.

Program Coordinator(s)—propose theme, format, and interaction; make call for content proposals; issue newsletter announcements, web page content, and draft agenda; coordinate presenters; and determine final agenda.

2013 Retreat Outlook: ASES will be in Baltimore, MD, April 15–20, 2013. 🖐

—Leonard Bachman

LINKS AND CDS

Changes in the Ball State University web server environment have prompted changes. Some links on the SBSE web site to BSU web sites are affected:

1. 2003 SBSE Retreat Links—the URL for the Legacy Retreat web site has changed to <http://ceres.iweb.bsu.edu/2003retreat/>.
2. SBSE Image Gallery and Photo CDs—Due to the fact that there has not been a sale of a Photo CD in over three years and that the availability of some of the disks are still under copyright dispute, we have made the decision to terminate BSU's participation in offering these items to the SBSE membership. We will no longer be accepting orders for these items.

This change **does not** affect our handling of the *Sun Angle Calculators*. We will continue to fill SAC orders. 🖐

—Jeff Culp

PIX FROM RALEIGH



SBSE Scholarship Recipients next to a PV array at the Raleigh Convention Center (L to R): Matthew Hogan, Emily McGlohn, David Bartley, Chanikarn Yimprayoon (UMich), Wesley Thompson, Paul Wolfe, Sara Tepfer, Perrin Wright, Dan Beltramo.



UO undergraduates Dan Beltramo, Sara Tepfer, Wesley Thompson, Alison Kwok (faculty mentor), Perrin Wright at ASES.

🏠 **David Bainbridge** and **Ken Haggard** have written a brand new book on passive solar architecture to be published by Chelsea Green in mid-July.

🏠 **Terri Meyer Boake's** first book, *Understanding Steel Design*, has just been listed on Amazon for pre-sale.

🏠 The U. S. Embassy in London invited **Harvey Bryan** to give six lectures on U. S. Green Building Practices this past March in England and Scotland. He delivered lectures at London's Bartlett School of Architecture, Architectural Association, Oxford-Brookes University, Glasgow University, Dundee University, and Heriot-Watt University. While at Heriot-Watt, Harvey connected with **Sue Roaf** who was a wonderful host while he and his wife were in Edinburgh.

🏠 Earthscan Publishing, UK-based and specializing in books about sustainability, has just released **Mark DeKay's** new book, *Integral Sustainable Design: transformative perspectives*. **Gary Coates**, the Regnier Distinguished Chair of Architecture at KSU said, "It could well turn out to be the most important book yet published on sustainable design."

🏠 **Alfredo Fernández-González** was selected as the 2011 UNLV Alumni Association Outstanding Faculty Award recipient. This award recognizes a faculty member who embodies a commitment to excellence and demonstrates outstanding contributions to both UNLV and the public it serves. The UNLV Alumni Association will formally present the award (and \$1,000 stipend) at the 2011 Alumni Association Homecoming Dinner. In addition, the School of Architecture will receive two one-time \$1,500 scholarships (one graduate and one undergraduate) to be awarded in Alfredo's name during the fall semester.

🏠 **Rajat Gupta** has been awarded (full) Professorship by Oxford-Brookes University.

🏠 **Mary Guzowski** served as jury member for the AIA-COTE Top Ten Green Projects for 2011.

🏠 **Kyle Konis** is in transition from student to faculty this fall when he will begin teaching in a building science role at Portland State (and be affiliated with their recently created green building research lab, GBRL). SBSEers be advised that he will be posting a number of questions/requests related to curriculum in the coming months! 🙌

ENVIRONMENTAL ISSUES FOR ARCHITECTURE, BY DAVID LEE SMITH, JOHN WILEY & SONS, INC., 2011.

As an architect who teaches architectural design and environmental technology, I'm always on the look out for a textbook that can aid me in bridging the design/technology gap with my students—a difficult bill to fill, as the scientific/engineering perspective tends to dominate environmental technology texts. Although this perspective is necessary for a complete understanding of the subject matter, architecture students find it exceedingly difficult to connect the material in technical lecture courses taught from this perspective to design studios. David Lee Smith's recently published textbook, *Environmental Issues for Architecture*, is an admirable attempt to redress this situation.

The text is an outgrowth of Smith's extensive experience (40+ years) teaching the subject in the School of Architecture and Interior Design at the University of Cincinnati. As reflected in the title, Smith's textbook is specifically intended for architecture students, which sets it apart from the text that all books in this category are immediately compared to, the venerable *Mechanical and Electrical Equipment for Buildings (MEEB)* by Grondzik, Kwok, Stein, and Reynolds. Long the mainstay of environmental technology textbooks, *MEEB* courts the broader audience of architecture and engineering students and practitioners. Although touching on all the same topical content as *MEEB*, *Environmental Issues for Architecture* is just over one-third the size, so topics are not covered in as much depth and some subtopics are not covered at all. Given that architecture students do not require the same depth in these technical topics as do engineering students and practitioners, the topical coverage seems appropriate for the intended audience of beginning to intermediate architecture students.

Beyond the question of topical coverage, there are three key aspects to Smith's approach that distinguish this text and one aspect in need of improvement. For most of the topics that he covers, Smith places environmental technology within its historical context, which is of great benefit to the beginning design student. For sound decision-making in regard to environmental technology, architecture students need to be well grounded in the socio-cultural as well as the instrumental aspects of technology. Smith's approach to mathematical calculations is also worth noting. Although he doesn't shy away from providing in-depth technical information, including calculations, within the body of the text, when the calculation methods are more complex or require greater coverage (e.g., lighting and thermal), Smith provides separate calculation chapters, thus allowing him to focus more exclusively on basic principles in the preceding chapters. Lastly, I found "Chapter 9: ECS Design Intentions" to be a standout in clearly addressing the complex issue of architectural versus mechanical control of the environment. Again, too often architecture students are led to believe that environmental technology is merely a means to an end. This chapter is not just an aside, but is essential information for understanding the architectural implications of environmental technology. In terms of improvement, despite the historical perspective and the occasional architectural example, I would have appreciated case studies to illustrate the effective interplay of environmental technology in architectural design. Norbert Lechner included seven such case studies as a final chapter in his textbook, *Heating, Cooling, Lighting (HCL)*. I suggest including in-depth case studies within each *Environmental Issues for Architecture* chapter as concrete architectural illustrations of each topic's basic principles.

The true test of any textbook, of course, is in the classroom. Since this text was only recently published, I haven't had the opportunity to put it to that test, but I won't hesitate to use it in the future. I currently use *HCL* and *MEEB* to teach an environmental technology course to beginning architecture students, covering thermal comfort and control, water and waste,

• continued next page



book cover: John Wiley & Sons (cover photo: Michael Zaretsky)

CODIFYING

IGCC AMENDMENTS AND ADOPTIONS

The International Code Council's Green Construction Code (IgCC) underwent six days of intense code amendment hearings in Dallas, May 16–21, with two tracks in two adjacent conference rooms and a cadre of industry and governmental attendees dashing back and forth in an attempt to influence the shape of a document headed for Final Action Hearings, in Phoenix, in November and publication as a part of the 2012 ICC "Family of Codes." A committee of building officials, green construction experts, and architects heard testimony and voted on over 1,000 proposed amendments regarding regulations for site and land use, energy efficiency, materials and resources, indoor environmental quality and existing buildings among other topics. The document undergoing amendment, known as Public Version 2, has already been adopted for publicly funded projects in the State of Rhode Island, as an optional compliance goal in the City of Richland, WA, by a tribal jurisdiction in Arizona, and as an incentive for redevelopment in the City of Keene, NH. Perhaps the most dramatic news on the IgCC front is the recent legislation in Maryland allowing jurisdictions in that state to adopt the green code. Jurisdictions in Colorado as well as the State of New Jersey are reportedly exploring the feasibility of adoption. The International Code Council is planning a road show to introduce the code this summer, in Chicago, July 11; Washington, DC, August 3; Boston, August 17; Orlando, August 24; Seattle, September 14; and Denver, September 28.

—Vern Woodworth

CBECs UPDATE

The Commercial Building Energy Consumption Survey (CBECS) is the standard used in Energy Star Buildings, LEED Existing Building Operations and Maintenance, and Architecture 2030. It appears that CBECS 2007 has been abandoned because of problems with the survey. Even more incredibly, CBECS 2011 isn't even taking place because of budget cuts. For full info see <<http://www.eia.doe.gov/emeu/cbecs/>>. 🖱

—Bill Burke

fire and life safety, and vertical transportation. *HCL* provides outstanding coverage of climate, solar geometry, and passive design strategies at just the right level for my students, while *MEEB* covers those subjects not covered by *HCL* and provides more depth as needed where the two texts overlap. I see *Environmental Issues for Architecture* filling the gap between these two texts. *HCL* will remain the primary text for the previously mentioned topics, as these are not covered as thoroughly in Smith's text. However, Smith's textbook covers the topics I need that *HCL* lacks and at an appropriate level. For my particular purposes, *MEEB* will continue to serve as the quintessential reference that it is. Although my circumstances are by no means universal, I suspect they are quite commonplace. *Environmental Issues for Architecture* deserves to find this broad audience, those in search of a comprehensive environmental technology textbook with a decidedly architectural slant for beginning designers.

—Michael McGlynn

AIA CONVENTION IN NEW ORLEANS

Two things to report:

1. Nine of us held an interesting day-long, pre-convention workshop, "Skills for High Performance Buildings"
2. There were two exhibitors whose products are worth noting by A&E teams intent on building green and contributing to climate change mitigation.



photo: Peter Papesch

Workshop presenters (left to right) Joe Wheeler, AIA, Virginia Tech; Jim Bedrick, FAIA, Webcor Builders; Bill Reed, AIA, LEED, Integrative Design; Scott Simpson, FAIA, LEED AP, KlingStubbins; Karen Kensek, USC School of Architecture; Robert Dunay, FAIA, Virginia Tech.

The day-long workshop attracted 46 attendees, many from the military and the Army Corps of Engineers. The four workshop sessions and wrap-up spanned state-of-the-art tools, skills, and methods that the professions can apply as they reduce the building sector's impact on climate change.

The two exhibitors that impressed me with their potential for incorporating innovative ideas into any green project were Sunflower Corporation and Hunter–Douglass.

Sunflower Corporation, so impressed me with its Sundolier exhibit that I'm in negotiations to join the company as a director and investor (full disclosure). The Sundolier is a sun-tracking system that uses the light pipe to bring the power of several suns into a space where a reflector/diffuser illuminates high-ceiling spaces like gyms and warehouses. The company is also exploring solutions for lower-height spaces. Its design is based on simple physics, augmented by the well-established satellite tracking technology. The heat storage window was designed by Wendell Colson with the support of Hunter–Douglass, and features a transparent liquid within a triple-glazed window frame that is easy to install and relatively easy to maintain. The window assembly even features sun-shading louvers that can be raised and lowered automatically to permit or prevent sunlight penetration into the occupied space. It is another low-tech, physics-principle-based solution which should point the way for all new technology as the economy (hopefully) shrinks. 🖱

—Peter Papesch

CAVIN FAMILY TRAVELING FELLOWSHIP 2011



photo: Alison Kwok

Daniel Toole with his vertical farm project.

The 5th Annual Cavin Family Traveling Fellowship of \$10,000 was awarded to Daniel Toole, following a juried design competition at California Poly Pomona on April 1, 2011. Noel Shamble was selected as the alternate. The jury commended Toole's project as "A comprehensive solution with attention to keeping a small footprint. The scheme had a strong analysis of climate for vertical hydroponic farming. The concept yields a plaza that functions openly with the community and farming practices." Daniel Toole (UO, 2008), currently at Perkins and Will in Seattle, plans a ten-week travel itinerary this summer to Europe to examine and catalog climate-responsive models of urbanism, landscape, and transportation.

This year the program involved the design of a sustainable food center on an urban block in Whittier (CA) to emphasize and promote sustainable gardening and education for the general public and to encourage sustainable nutritional practices. Sustainable construction technologies, passive environmental control systems, recycled/renewable materials, and finishes are critical criteria of the scheme. Four finalists were selected for the second phase of the selection process to discuss their design ideas and project concepts with the jury. The four finalists, all Oregon graduates, were Daniel Bittiker (San Francisco, CA), Noel Shamble (San Diego, CA), Ronald Spencer (Portland, OR), and Daniel Toole (Seattle, WA).

This year's jury included: Mark von Wodtke, Jury Chair; Annie Chu; Alison Kwok; Pablo LaRoche; and Kevin O'Brien. Cal Poly Pomona Professor Kip A. Dickson, Fellowship Secretary, coordinated the competition. For more information, see the Cavin Family Traveling Fellowship web site <<http://www.cavinfellowship.org>>. 🐾

—Brooks Cavin

ILLUMINATING DESIGN NEWS

Miami University architecture and interior design faculty involvement in a lighting education collaborative is ramping up. Mary Ben Bonham and Scott Johnston are Miami's team members in the "Lighting Across the Design Curriculum," a multi-discipline, multi-university approach to lighting education, which was the winning proposal for the \$50,000 Twentieth Anniversary Grant awarded by the Nuckolls Fund for Lighting Education in 2010.

The program consists of a series of seven interactive teaching modules applicable to architecture, interior design, and landscape architecture. It was initiated by Katherine Ankersen (Nebraska at Lincoln) and UNL faculty collaborators Lindsey Ellsworth-Bahe, Betsy Gabb, Timothy Hemsath, Nathan Krug, and Clarence Waters. Neal Hubbell (Kansas) and Nancy Kwallek (Texas at Austin) complete the multi-university team. The intent of the project is to develop a lighting 'conversation' throughout the educational process, from awareness of the contribution of lighting to basic design issues at the frosh level, to the advanced energy impact decisions balanced with quality of lighting contribution at the junior level and beyond. The series of modules will strengthen existing courses by initiating directed lighting activities throughout the curriculum both prior to and subsequent to present lighting courses.

Presently, Bonham and Johnston are working with the group to develop learning content and directed activities for three of the modules—Digital Interface of Lighting, Lighting for a Sustainable Future, and Topics for Design Studios. Work on the project, including beta testing of the module by students at participating schools, will continue until its delivery to the Nuckolls Foundation in July 2012.

Also, the Cincinnati/Louisville Section of the Illumination Engineering Society (IES) named Bonham an IES Partner Educator and awarded an IES Subscribing Membership to Miami University. The IES aims to connect students with lighting professionals through a series of educational and networking resources. The award included a complimentary copy of the IES Lighting Library, a gift of over fifty publications.

—Mary Ben Bonham

BUILDINGGREEN SUITE CAMPUS SUBSCRIPTIONS

I just updated our Google map so you can now check here for all current *BuildingGreen Suite* campus subscriptions. If your college library pays for a subscription, I hope you will think to go to the articles from *Environmental Building News*, the product listings from *GreenSpec*, and the case studies of high performance buildings (there are over 300 now!) as you prepare for upcoming lectures and courses. You can also send your summer research students to BuildingGreen.com.

My goal is to increase page views on BuildingGreen.com from .edu addresses by 25% this year, so you can help me out here! Over 100 colleges have subscriptions to *BuildingGreen Suite* (full access to BuildingGreen.com), and if you are one of them, remember to visit the site often and spread the word among your colleagues and students. It will benefit us both.

I'm happy to set up free trial access that would last all summer and into the fall for any college or university that does not have an active BuildingGreen Suite campus subscription, just e-mail me.

BuildingGreen editors are working for you, really! Let them do some of your broad and deep research on sustainable design topics, environmentally preferable products, and present you with a full spectrum of examples of high-performance buildings in all climate zones. 🐾

—Jerelyn Wilson



photo: Mary Ben Bonham

Tool Day: Bonham's ECS students get acquainted with the daylight model, the illuminance meter, and the sun path diagram. Bonham and Johnston are adapting assignments like this one from dedicated lighting courses to the online interactive teaching module format, accessible to faculty and students at any point in the curriculum.

STUFF AND OPPORTUNITIES FOR YOU

STORIES OF CHANGE STUDENT COMPETITION 2011

Arup and the Bartlett School of Architecture, UCL, invite you to participate in the “Stories of Change” student competition 2011. In recognition of extraordinary recent political, economic, and environmental events we are calling for responses to some of the world’s most pressing issues, as featured in the publication, *Drivers of Change* <<http://www.driversofchange.com/>>. Tell us your Stories of Change.

The winners of three categories (film, architectural design, and text) will share a £1,500 prize, and their work will be featured with other selected submissions in an exhibition at Arup’s Phase2 gallery in London, running from July to October this year. For further information and entry requirements visit <<http://www.driversofchange.com/stories-of-change>> and submit your application by 24 June 2011. Please note only applications that have been submitted via the process on the web site can be considered. We look forward to hearing your stories.

—Jennifer Greitschus

PEOPLE AND BUILDINGS: NCEUB CONFERENCE FOR MASTER’S STUDENTS

The conference is open to all current students of appropriate master’s courses or those who have graduated in the last two years. It will be held 23 September 2011, at Arup, 8 Fitzroy Street, London W1T 4BQ.

To participate as an author:

1 July. Submit a 150-word abstract, giving an outline of the subject, method, and conclusions of the paper, even if you have not finalised the data collection and analysis by this stage. We want to get an estimate of the range and number of papers to expect at the conference.

15 July. You will be informed of acceptance for development to a full paper.

14 September. Your paper (max. 6 pages) should be sent electronically to the organisers in the prescribed format. All papers will be converted to pdf and made available on the NCEUB web site <<http://www.nceub.org.uk>> along with authors’ presentations.

—Fergus Nicol

THREE BIM EVENTS AT USC

This summer, the USC School of Architecture is offering three events of interest: the (almost) free annual BIM symposium (EXTREME BIM 2011), the Façade Tectonics conference, and a series of Executive Education seminars including two on BIM. Please read on if you are seriously interested in the current and future state of the profession.

1. 5th Annual BIM Symposium Friday, July 8, 8:15a.m.–4:15p.m.—Extreme BIM (\$25)—the most exciting event of the year! Register on the web site <<http://arch-pubs.usc.edu/extreme-bim/>>. Please reserve your spot soon; BIM Analytics filled up last year.
2. Façade Tectonics (for those interested specifically in the building envelope) all-day Friday and Saturday, July 29–30. Registration \$95, \$45 for students. Contact Doug Noble, <dnoble@usc.edu>.
3. Executive Education (more BIM and façade seminars) <<http://execed.uscarchitecture.com/>>. The sessions are planned for Thursdays and Fridays May 19–August 5, 2011.

—Karen Kensek

BTES MEETS IN TORONTO

Converge + Confluence will be held August 4–7 in Toronto with keynotes by Philip Beesley and Colin Ripley. Moreover Ed Allen and Joe Iano are doing a presentation/workshop on Saturday morning, Aug 6. Ed attended the first BTES conference in 2006, and it will be great to have him back. For full conference details see <<http://www.btesonline.org/toronto.html>>.

—Terri Boake

ASHRAE AEDG

Advanced Energy Design Guide for Small-to-Medium Office Buildings is published and ready for free download at <<http://www.ashrae.org/publications/page/aedg50pct>>. It is the first AEDG aiming towards 50% energy savings using ASHRAE 90.1–2004 as the baseline. Even if you are not working on an office building, there are some great U. S. climate data in chapter 2.

—Leonard Sciarra

• continued next column

DAYLIGHT PATTERN GUIDE

The UI Integrated Design Lab in Boise just finished a two-year grant from the New Buildings Institute in collaboration with the University of Washington to produce the *Daylight Pattern Guide*. It’s available at <<http://patternguide.advancedbuildings.net>>. Enjoy!

—Kevin van den Wymelenberg

CALLING EDUCATIONAL AUTHORS

The University of Tennessee-edited online continuing education Certificate in Sustainable Design and Green Building program is looking for several authors to write courses that meet the criteria for LEED-specific courses in the USGBC’s prescriptive upgrade path for existing LEED APs aiming to get their LEED AP + Specialty credential. If you are interested in writing a course on any of the general topic areas covered by LEED, contact the editors, Mark DeKay <mdekay@utk.edu> or Dick Kelson <rkelson1@utk.edu>. Authors receive a royalty of 15% of course sales from our online partner, RedVector.com.

—Mark DeKay

UPJOHN RESEARCH AWARD

The call for this year’s Upjohn Research Award (up to \$30k matching funds) is on the AIA web site <<http://www.aia.org/aiaucmp/groups/aia/documents/pdf/aiab083516.pdf>>. 🖱

—Richard Hayes



photo: Bruce Haglund

Marc Schiler evaluates the verticality of models on display at UNM School of Architecture.

JOB OPS

CAMBRIDGE UNIVERSITY

Cambridge University has a post available at the University Lecturer level (equivalent to Assistant Professor, tenure-track). We encourage applications from suitably qualified candidates. The advertisement is online at <<http://www.admin.cam.ac.uk/offices/hr/jobs/vacancies.cgi?job=7979>>. Further information about the post, the department, and how to apply is available from the vacancies page at <<http://www.arct.cam.ac.uk>>. Closing date: 22 June 2011. Planned interview dates are 13 and 14 July 2011. 🖱

MADE IN THE SHADE?



photo: Bruce Haglund

Barbara Erwine, Terri Boake, and Deborah Oakley experience the shading effect of a large, west-facing, fritted-glass aperture in Predock's School of Architecture Building at UNM.

THE ARCHITECT'S BIBLE?

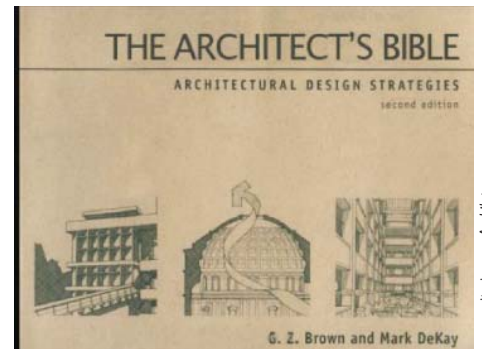
[For some inexplicable reason the books we love are the bomb! First it's "MEEB Like This" on YouTube, now SWL...Read on.—ed.]

The latest issue of e-zine *Archilepsy*, p. 15 in the column, "Archi-speak, renaming the classics," re-names *Sun, Wind, and Light* as *The Architect's Bible*.

"This book has more proverbs than the Old Testament. With hundreds of building strategies, environmental analysis techniques, and useful graphic charts, the Gideons should place a copy of Brown and DeKay's, *Sun, Wind & Light* in the desk drawer of every architect's workstation worldwide."

The authors of the article claim, "We've all heard that you shouldn't judge a book by its cover, but that's because those crafty authors keep giving them misleading titles! This month's Archi-speak cuts through the hyperbole, offering new monikers for some of the design industry's most popular publications." For more diversion see issue 3 at: <<http://www.archilepsymagazine.com/>>. 🖐

—Mark DeKay



composite image: Archilepsy

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