

# EMERGING

SPRING 2009 Vol. 3, No. 2

UNIVERSITY OF MINNESOTA  
DOCUMENTS

AUG 18 2009

MAGRATH LIBRARY

# DESIGN+HEALTH

What if... we could design solutions to improve patient care? (p. 4)

What if... the risk of radon exposure in our homes could be reduced? (p. 5)

What if... housing could be used to retain rural health care professionals? (p. 7)

MAGR  
GOVS  
MN  
4428  
E-  
v.3  
no.2

COLLEGE OF DESIGN UNIVERSITY OF MINNESOTA

## HERE'S TO YOUR HEALTH

Almost every aspect of the teaching, research, and outreach that goes on in the College of Design relates to the health of people and of the planet in some fashion. Whether it involves stronger communities, healthier ecosystems, safer environments, more durable structures, more affordable housing, more suitable apparel, more appealing retail, or more effective communications—our work affects the well-being of people in fundamental ways.

The general public rarely thinks of design in this light. This stems in part from the popular perception of design as essentially about aesthetics, and in part from the health care industry's focus on the treatment of disease more than on its prevention. But the design disciplines embrace pragmatics as much as aesthetics, solving problems as effectively and elegantly as possible. Good design helps us avoid accidents, reduce stress, feel better, work faster, be happier, and generally have a richer and more rewarding life, while also serving our most basic needs.

Of course we encounter a lot of dumb, dysfunctional design in our daily lives: ineffective layouts, inefficient organizations, inadequate structures, and injurious objects that are produced because of a faulty notion that design somehow doesn't matter. But when it comes to wellness, design matters a great deal. The small investment of time and attention it takes to achieve quality design—beautiful, functional, and affordable design—more than pays for itself in terms of our quality of life, perhaps most easily measured in terms of our own health.

Evidence of that exists throughout the college, and throughout this issue of *Emerging*. We have faculty, staff, and students using design to reduce errors in operating



rooms, to eliminate miscommunication among caregivers, to customize clothing to the needs of postoperative patients, to reduce cancer-causing radon in buildings, to adapt housing to special-needs populations, to provide medical facilities in postdisaster situations, and to combat obesity through walkable communities, to give just a few examples. Add to that the work we do related to the well-being of other species and to the health of the ecosystems upon which we all depend, and you can see how central this thinking is in our college.

At a time when health care has become an extraordinarily expensive part of our economy, the fact that design can help prevent the need for medical intervention makes it a very effective way to lower health care costs. That, in turn, changes the equation often applied to the value of design. For too long seen as an expendable expense, design has emerged in recent years as one of the most economical ways of keeping the planet vital, people vigorous, and populations fit. It may well be that the more the design community recognizes the role it plays in promoting health, the healthier the design disciplines—and all who use what we create—will become.

Thomas Fisher  
Dean

## EMERGING

SPRING 2009 VOL. 3, NO. 2

EDITOR AND COMMUNICATIONS DIRECTOR  
Laura Weber

ART DIRECTOR  
Jeanne Schacht

WEB EDITOR  
Michael Fraase

STAFF PHOTOGRAPHERS  
Warren Bruland, Dave Bowers

COPY EDITOR  
Sharon Grimes

CONTRIBUTORS  
Ryan Cloutier, Chris Dodge, Suzy Frisch, Ericka Gratz, Patrick O'Leary

### COLLEGE LEADERSHIP

Thomas Fisher, *dean*; Marilyn DeLong, *associate dean for research and outreach*; Katherine Solomonson, *associate dean for academic affairs*; Kate Maple, *assistant dean for student services*

### DEPARTMENT HEADS

Renee Cheng, *School of Architecture*; Lance Neckar, *Department of Landscape Architecture*; Becky Yust, *Department of Design, Housing, and Apparel*

### COLLEGE OF DESIGN ADVISORY BOARD

Dan Avchen, Bill Chilton, Susan Hagstrum, Ted Johnson, Judy Kirk, Ed Kodet, Tim Larsen, XiaoWei Ma, Tom Meyer, Linda Mona, David Mortenson, Richard Murphy, Paul Reyelts, Margot Siegel, Greg Van Bellinger, Rich Varda, Bob Worrell

*Emerging* is published fall and spring semesters by the University of Minnesota's College of Design for alumni, faculty, staff, and friends of the college.

Send address changes to Laura Walton, 32 McNeal Hall, 1985 Buford Avenue, St. Paul, MN 55108, or [lwalton@umn.edu](mailto:lwalton@umn.edu).

[design.umn.edu](http://design.umn.edu)

This publication is available in alternative formats upon request. Please call 612-626-9068 or fax 612-625-1922.

The University of Minnesota is an equal opportunity educator and employer.

Printed on 100 percent postconsumer fiber, processed chlorine free, FSC recycled certified and manufactured using biogas energy.



COLLEGE of DESIGN

UNIVERSITY OF MINNESOTA  
Driven to Discover™



Designer: *Brianne Jones*

Designers:  
(center) *Anna Sandberg*,  
(above) *Errin Sorlie*

## GRADUATING CLOTHING DESIGNERS' WORK "EXPOSED"

Once again, two near sell-out crowds witnessed the annual senior fashion show held on February 21. The 41st annual show, this year dubbed "Exposed," showcased 12 seniors graduating from the clothing design program. The original collections included wearable ideas for the office, avant-garde designs, sustainable clothing, and theater costumes. The event also featured a standing exhibition of work by the sophomore class and a pre-runway show from the senior class. This year, for the first time, the show was held in the Rapson Hall courtyard, exposing CDes programs located on different campuses to each other.

## HERE COMES THE ICON SOLAR HOUSE

Construction of the University of Minnesota's entry in the 2009 Solar Decathlon competition, the Icon Solar House, began in mid-April at the University's ReUse Center. (See *Emerging*, spring 2008.)

The teams of students primarily from the College of Design, Institute of Technology, and the construction management program of the College of Continuing Education continued work this spring on construction details and mechanical, electrical, and plumbing systems. The controls team and commissioning team have been working to integrate the systems to ensure that



*Shengyin Xu with model of the Icon Solar House.*

they work efficiently on their own and together.

"This process helps us to evaluate our design and

understand how we are doing in light of our goals and the decathlon goals," said student architecture team leader Shengyin Xu (MArch '08 and MS sustainable design student).

Construction of the house will be complete by July. An entire simulation of the decathlon will be run from July through September. The first week of September the house will be displayed on campus

for a simulation of the actual competition in Washington, D.C., October 8-16. The 20 competing houses will be open to the public October 9-13 and 15-18.

For updates on the process, go to [solardecathlon.umn.edu](http://solardecathlon.umn.edu).



Construction management students *Bradley Fasbender, Clayton Tallman, Matt Klemmensen, and Grant Gardener (left to right)* take a break from constructing the foundation at the University's ReUse Center.

# DESIGN+HEALTH

“For too long seen as an expendable expense, design has emerged in recent years as one of the most economical ways of keeping the planet vital, people vigorous, and populations fit.”

## Designing processes to improve health care

By *Suzy Frisch*

At the Center for Design in Health, Kathleen Harder considers problems like the following: How do you stop surgeons from operating on the wrong limb? How can we prevent the loss of specimens? Is there an alternative to the heavy lead aprons medical professionals sometimes need to don in the middle of a surgery? What about finding ways to eliminate errors in administering blood or medications?

Harder, a cognitive psychologist, is breaking new ground in the way she applies human factors research to improving health care. She proposed and won approval for the College of Design's newest research center last year to foster multidisciplinary research with architects and faculty from the Department of Design, Housing, and Apparel, as well as medical professionals and medical device designers. Already, the center is planning to collaborate with Shelter Architecture's John Dwyer, adjunct assistant professor in the School of Architecture, to design sustainable, small-scale, health-focused systems.

The goals are to investigate persistent problems in health care, design solutions that improve patient care, and help medical professionals do their jobs more effectively. Although efficiency is not a goal, it often is a byproduct of this work. Center director Harder, who has been a researcher at the University for 11 years, already

has completed many health care projects. She typically conducts extensive on-site research as an independent observer, and then designs changes in work processes, devices, or infrastructures.

“We solve problems by designing processes and technology to improve human performance,” said Harder. “The vast majority of health care providers want to provide excellent patient care, but the systems in which they work are often flawed. Our in-depth analyses and design recommendations are aimed at eliminating those flaws so that they can deliver patient care more effectively.”

Diane Rydrych, assistant director of the Division of Health Policy in the Minnesota Department of Health (MDH), teamed with Harder on a research project and calls Harder's work groundbreaking. “It has the potential to have a huge impact because she's thinking about things in a different way than we usually do,” Rydrych said. “We've found that people will put a policy in place and not necessarily think through some of the human factors issues or the cognitive piece of it.”

In one project, Harder and her center colleague, cognitive psychologist John Bloomfield, conducted a study funded by MDH and the University of Minnesota Medical Center, Fairview, to investigate wrong-site

surgeries. Together they observed the operating room process before, during, and after nearly 60 surgeries conducted at eight Minnesota hospitals.

They concluded that the surgical team members often were not focusing intently on their presurgery safety tasks. Someone might attempt to conduct the last safety checks before the procedure, but others on the team could be talking or going about other preparations.

Harder and Bloomfield's solution was to design a more robust process called the safe surgery process. In the Time Out phase, each person on the surgical team—the surgeon, anesthesiologist, and scrub and circulating nurses—plays a specific role, which fosters cognitive engagement instead of rote action. To limit distractions or confusion, this final safety check is now conducted after the surgeon has scrubbed in, immediately before the procedure.

After Harder presented this research to the Joint Commission, the accreditation and regulatory body for health care facilities, it approved a pilot program in Minnesota to test the Safe Surgery Process; this is the first time the commission has allowed a state to pilot a protocol that differs from the Joint Commission's. Eventually these recommendations could become standard hospital procedure in Minnesota and across the country.

“That's huge,” said Rydrych. “They can make the process so much safer and can go a long way toward improving patient care.”



# DESIGN+HEALTH

## The link between the body's dimensions and improved health

Researchers in the Human Dimensioning Lab (HDL) explore the links between the body's physical dimensions and improved health. Researchers are currently studying the shape, size, and posture of the human body as related to health and well-being, with project goals ranging from encouraging weight loss to improving body image.

**HDL researchers use high tech tools to measure the static and dynamic human form, map the body-product interface, and produce and test prototypes.**

The lab was established with initial funding from the National Science Foundation as an innovative research and learning facility to design new ways to incorporate human dimensions into the development of wearable products. HDL researchers use high tech tools to measure the static and dynamic human form, map the body-product interface, and produce and test prototypes.

Researchers include lab director Karen LaBat, Missy Bye, and Marilyn DeLong, all professors in the apparel design program. The HDL also has a part-time medical doctor on its research staff, Karen Ryan, who completed an apparel studies MS degree in 2006.

An HDL study of weight loss effects on body shape, size, and satisfaction with apparel fit is following four participants through a controlled weight loss program. The pilot study, in collaboration with researchers in the University's General Clinical Research Center and faculty in the Department of Food Science and Nutrition, is discovering that people losing weight are often less concerned about the number of pounds they lose and more concerned about how their clothing fits and feels as their body changes.

Another study, in its initial stages, will look at effects of treatment on breast cancer survivors' changed body shape and posture. A particular concern of many breast cancer survivors is lymphedema (swelling of the arm on the affected side), with discomfort and less satisfactory fit of apparel. LaBat, a breast cancer survivor, and Ryan, a physical medicine and rehabilitation physician, believe that cancer treatment may also cause restriction of shoulder and arm motion. Body scan technology will be used to assess asymmetry, with the ultimate goals of using the technology to track results of therapies and to propose improved designs of lymphedema sleeves to control swelling.

In a third study, funded by the University's Institute for Advanced Study, HDL researchers are working with Brad Hokanson, graphic design; Daniel Keefe, computer science; and Scott Crow and Carol Peterson, psychiatry, to develop a body satisfaction educational intervention for young women. Body scans of a range of young women with healthy body mass indexes are being used to compile a DVD providing visual images of real body shapes and sizes to contrast with prevailing media images that are unrealistic, possibly leading to body dissatisfaction and eating disorders.

## WHAT IF... health care facilities could prevent injury and disease?

Increasingly, health care environments are designed to promote healing and reduce stress. Health sciences and environmental health research also points to ways in which infection, illness, and injury can be prevented through good design.

InformeDesign ([www.infomedesign.umn.edu](http://www.infomedesign.umn.edu)), the first searchable database of design and human behavior research on the Web, contains a wealth of information that informs designers' knowledge of designing for health. Continuing education courses are also available through InformeDesign.

Among InformeDesign's 2,000 Research Summaries pulled from more than 200 scholarly journals are

- Natural Sights and Sounds Reduce Medical Procedure Pain
- Promoting Healing in Health Environments
- Controlling Daylight for People with Alzheimer's Disease
- Patient Outcomes in a Surgical Intensive Care Unit

InformeDesign was created and launched in 2003 by interior design professors Caren Martin and Denise Guerin to facilitate designers' use of current research-based information as a decision-making tool in the design process.

# Adequate housing integral to well-being

Adequate housing is integral to the well-being of individuals and communities, be they senior citizens in Hong Kong or residents of rural America, as research under way by Associate Professor Ann Ziebarth and her colleagues shows.

## LIVABLE COMMUNITIES FOR AGING-IN-PLACE

One of the major global issues of today is the aging of the world's population. Between 2000 and 2030, the number of people age 65 and older and those over 85 will both more than double, according to the United Nations Economic Commission for Europe (2005). "This age tsunami is a critical global issue that requires researchers to pool resources and expertise on an international scale," Ziebarth said.

**The research will provide new and important information for developing interconnected housing, social services, and health care for underserved older populations in North America and Asia.**

A collaborative project in the College of Design's housing studies program joins Ziebarth with Eunju Hwang (PhD DHA '04), now of Simon Fraser University Gerontology Research Centre, Vancouver, British Columbia, and researchers in Atlanta, Georgia; Hong Kong, China; and Jeju, Korea, to study ways to create age-friendly livable communities in low income neighborhoods in North America and Asia.

In St. Paul, high-rise public housing primarily occupied by elderly residents has been assessed. Heidi Erm, a housing studies major, received an Undergraduate Research Opportunity Program grant to contribute to the project. Graduate students Hae-young Yun and Youngeun Choi are research assistants on the project focusing on literature reviews and data analysis of the Korean case study.

After evaluating and comparing the senior housing and neighborhoods in the four countries, as well as policies that

promote livable communities, the research team will provide recommendations to designers, policy makers, advocates, and elders on what constitutes age-friendly livability for seniors, facilitating personal independence and active civic and socially engaged senior residents.

## RECRUITING AND RETAINING HEALTH CARE PROFESSIONALS IN RURAL COMMUNITIES

Ziebarth, a rural sociologist who has studied housing in small towns and rural places for years, is also examining the connection between the availability of local housing and the professional workforce demands of critical access hospitals in the northern Great Plains region.

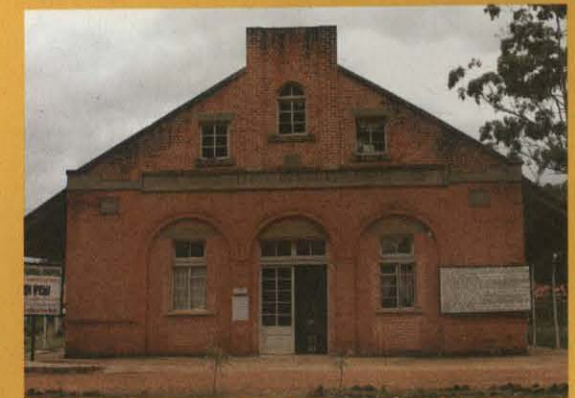
Although approximately 20 percent of the U.S. population lives in rural areas, only 9 percent of physicians practice there. "While recruiting and retaining health care professionals is difficult everywhere, small communities and rural areas have a special challenge," Ziebarth said. Previous research indicates that physicians who have participated in a rural training program are more likely to be successfully recruited to a first practice in rural locations. Also, many critical access hospitals rely on contract professionals to fill in or provide part-time services.

To attract both trainees and contract professionals, rural hospitals must be able to offer short-term housing. Ziebarth's research project, funded in part by the Minnesota Agricultural Experiment Station, aims to identify workforce requirements of rural hospitals and the extent to which housing contributes to employee satisfaction with work and community. She and graduate research assistant Dianna Krogstad are identifying best practice examples for meeting short-term housing needs for health care priorities. One example of a successful strategy was found in Moose Lake, Minnesota, where vocational-technical high school students built a house for the hospital for use by trainees and on-call emergency room doctors. This gave the hospital a recruiting advantage over other facilities, which can usually offer just a bed.

# Students create hospital plan in Malawi

In May 2008, School of Architecture professor Leslie Van Duzer spent one month with students in Malawi, a landlocked country in southeast Africa, designing a campus plan for the University of Livingstonia and a hospital building for the Mission Station. The hospital serves the population on the remote northern plateau of Livingstonia and the surrounding villages.

Undergraduate students Daniel Carlson and Mohamed Bashir took the lead on the location and design of a new building for the hospital administrators. Limited land and a historical hospital building made the siting a challenge. For the building, the students followed the local vernacular and designed a brick building, with narrow wings for cross ventilation, and inner courtyards for privacy and shade. The drawings were presented to the hospital CEO who enthusiastically received them. Time will tell if the building will be built as designed. Van Duzer and the students are returning this May.



*Existing Malawian national landmark: David Gordon Memorial Hospital, built in 1910.*

# GREENLIGHT AND THEATER COMPANY TRADE SKILLS

One of Minneapolis's most venerable theaters, the Brave New Workshop (BNW), is getting ideas for a green makeover to its Hennepin Avenue facility, thanks to a creative collaboration with the student group Greenlight. The group, based in the College of Design, aims to inspire future design leaders to shape our physical environments in an ecologically innovative, healthy, and sustainable way.

Sarah Wolbert, MArch + MS-Arch sustainable design student and Greenlight officer, connected with Elena Imaretska, BNW business manager, at an event sponsored last year by Emerging Green Builders, a young professionals networking

subset of the United States Green Building Council (USGBC). They arranged to trade skills—BNW performers would offer improvisation training to the Greenlight students in return for Greenlight organizing a workshop to re-vision sustainable design solutions for the theater's entry, creative, customer, and office spaces.

Amber Sausen, also an MArch + MS Arch sustainable design student, described it as two worlds mixing. "It was fun to interact with performers who physically inhabit space. We usually sit at a desk to design but this process made us much more aware of how people use space,

whether they are audience members, employers, or performers."

Sausen and Wolbert said another result of the improv training is that the students are now more willing to say yes-and, a standard improv theater technique that allows for building on ideas rather than responding to who is most forceful. This led Greenlight to organize workshops as a set of iterative charrettes, combining improvisation and architecture. Sausen and Wolbert tapped their theater and architectural experience to invent new hybrid interactions such as "Sketchstorming," and "Architectural Puppeteering."



*An improv performance by the Brave New Workshop (left) was part of an interactive exhibition (far right) April 14 showing Greenlight's design solutions for the theater's building on Hennepin Avenue in Minneapolis. Above, Amber Sausen and Sarah Wolbert, Greenlight leaders.*

The results of two Greenlight/BSN charrettes held in November and January were displayed in an interactive exhibition in Rapson Hall in mid-April. It presented lessons learned from this improv/architecture hybrid and solicited public comment on the design ideas.

Greg Hersman, BNW's director of theater management and special events, was thrilled with the Greenlight collaboration. "The fresh insights into using our space were eye-opening!" he said. "Respect for the theater's history combined with a push toward state-of-the-art environmental systems and practices will position the theater and the entire organization as a leader in smart design."



## HURRICANE IKE CREATES MULTIPLE OPPORTUNITIES

In keeping with the University of Minnesota's commitment to community service, nine students from the School of Architecture spent spring break 2009 rebuilding a home damaged by Hurricane Ike in Surf Side, Texas. Sishir Chang (MArch '98), a member of Architecture for Humanity Minnesota (AFH MN), helped find a meaningful construction project for the students—rebuilding the home of a 70-year-old former circus performer named Audrey (right).

During the deadly hurricane, which made landfall at Galveston, Texas, September 13, 2008, after devastating Haiti and Cuba, a man and his dog broke into Audrey's home, drank several bottles of whiskey, and damaged her house because of his intoxication. In addition to the mess created by Audrey's unwelcome guests, the roof sustained



considerable damage, allowing nearly four inches of water to inundate the house.

According to architecture grad student Alicia Liebel, Audrey's wish list included rebuilding the staircase and screened-in space to better suit her needs. The porch had been washed away by the storm surge and the exterior staircase had been poorly built. After five days, the wish list was complete. Add on new siding and a fresh coat of paint, and Audrey was finally able to

move back into her rejuvenated home, and CDes students returned to spring semester classes.

The following students participated in the project: Zack Elingtz, Jennifer Garman, Alex Keller, Alicia Liebel, Jackie Saffert, Michelle Stein, John Wade, A. J. Zandt, and Emily Zeug-Robertson.



*Architecture students spent their spring break rebuilding a retired circus performer's home that had been damaged by Hurricane Ike. In addition to a new roof, the students rebuilt an exterior staircase and screened porch and added new siding and a fresh coat of paint.*

## DESIGNER/POLITICIAN IS THIRD CDes COMMENCEMENT SPEAKER

The College of Design's third commencement speaker, state representative Jeremy Kalin, has anything but a typical political background. He has a bachelor of fine arts degree from the University of Minnesota with a ceramics emphasis. Before doing graduate work in architecture at the University of New Mexico, Kalin made his living selling his one-of-a-kind functional pottery and teaching high school and college.



*Rep. Jeremy Kalin*

Kalin will address some 300 new undergraduate and graduate degree holders and their families and friends at the College of Design commencement May 16 in Northrop Auditorium.

Before serving in the Minnesota House, Rep. Kalin worked as a designer and draftsman for Natural Spaces Domes, a local, family-owned company specializing in energy-efficient geodesic dome homes. He represents District 16B (Chisago County area) and serves as cochair of the Green Jobs Task Force, among other committee assignments.

# NEWS

## AWARDS

**Heba Amin**, (MFA graduate student, Interactive Design), illustrated *Extraordinary Women from the Muslim World*, which won a USA Book News National Best Books 2008 Award in the Religion: Islam category, and the Moonbeam Peacemaker Award, established to honor the best children's book for promoting world peace and human tolerance.

**John Comazzi** (Arch), **Lance Neckar** (Landscape Arch), and **Vince deBritto** (Landscape Arch) received an American Institute of Architects Education Honor Award for excellence in course development and architectural teaching. The three were recognized for their collaborative MArch and MLA graduate design studios.

The **Design Institute's** DIGIFAB map, a guide to digital fabrication processes and facilities at the University of Minnesota and around the Twin Cities, won a 2008 *Print* magazine Regional Design Annual Award (featured in the December 2008 issue).

**Morgan Hertzfeld's** (Arch undergrad) model chair was named one of the winners in the Design Within Reach Champagne Chair Contest (right). Contestants had to create an original miniature chair using only the foil, label, cage, and cork from no more than two champagne bottles.

**Hye-Young Kim** (Retail Merchandising) won the International Textile and Apparel Association Best Paper Award in the consumer behavior track. Kim's paper, "Soul Mates, Best Friends, and Casual Buddies: College Students' Relationships with Retailer Brands," was coauthored by Yoo Jin Kwon (Washington State University).

## APPOINTMENTS

**Jodie Double** (Digital Collections and Archives) was elected chair of the Midwest chapter of the Visual Resources Association and organized a fall 2008 training meeting in Chicago. Double also cowrote—with Rebecca Moss from the College of Liberal Arts—a paper about the digital library for publication in the organization's *VRA Bulletin*.

**Kerry Haglund** (Center for Sustainable Building Research—CSBR) has been named treasurer on the National Fenestration Rating Council's (NFRC) board of directors executive committee. NFRC administers the only uniform, independent rating and labeling system for the energy performance of windows, doors, skylights, and attachment products.

**Lance Neckar** and **David Pitt** (both Landscape Arch) have been named coeditors of *Landscape Journal*, published by the University of Wisconsin Press. The editorial team also includes two others from the department: **Vince deBritto**, managing editor and editor of *genius loci*, and **Sara Grothe**, editorial assistant.

**Lin Nelson-Mayson** (Goldstein Museum) was elected president of the Association of Midwest Museums board in October 2008.

**Leslie Van Duzer** (Arch) was named chair of the board of directors of the Friends of Christ Church Lutheran, a secular nonprofit established to preserve Eliel and Eero Saarinen's landmark church in Minneapolis. (See p. 13.)

## GRANTS

The **Center for Sustainable Building Research** and the **Metropolitan Design Center** received grants from the McKnight Foundation to help further their missions.

The **Goldstein Museum of Design** received a grant from the National Endowment for the Humanities for a project titled Preserving Ethnic Heritage and a grant from the Institute of Museum and Library Services titled Preserving Ethnic Heritage Through Environmental Monitoring.

**Jonee Brigham** (CSBR) is principal investigator on a Sustainable Post-Occupancy Evaluations contract from Washington County.

**Kathleen Harder** (Center for Design in Health) received a grant from the Minnesota Department of Transportation for a study on Comparison of Dual Phase and Static Signage.

**John Carmody** (CSBR) is principal investigator on two grants: Building, Benchmarks, and Beyond—Phase II from the Minnesota Department of Administration and Midwest Green Building Case Study Project from the U.S. Green Building Council.

A collaborative teaching project involving **William Conway** (Arch) while he was a visiting professor at the University of Arkansas School of Architecture has received a National Endowment for the Arts grant to publish a book documenting the project, *Visioning Rail Transit in Northwest Arkansas: Lifestyles and Ecologies*.

**Tasoulla Hadjiyanni** (Interior Design) received a President's Faculty Multicultural Research Award for her project Toward Culturally Sensitive Housing.

**Hye-Young Kim** (Retail Merchandising) received a U of M Grant-in-Aid of Research, Artistry, and Scholarship, for a project titled Consumer Perspectives on Retail Loyalty Programs.

**Jae-Eun Kim** (Apparel Design doctoral candidate) received a research grant from the Graduate School for her thesis, "The Influence of Moral Emotions in Young Adults' Moral Decision Making: A Cross-Cultural Examination."

**Virajita Singh** (CSBR) received a grant from Xcel Energy titled Sustainable Energy Central Corridor, and also a grant from the Northwest Minnesota Regional Sustainable Development Partnership titled Aligning Historic and Sustainable Values in Preservation of the Canadian National Railway Depot in Baudette, Minnesota.

**William Weber** (CSBR) is principal investigator on a grant from the Minnesota Housing Finance Agency titled Energy Efficiency Technical Assistance and Verification.

## PUBLICATIONS

**Blaine Brownell** (Arch) published "Tooling with Mother Nature," an article on biomimetic materials, in the March 2009 issue of *Discover* magazine. (See p. 11.)

**John Carmody's** (CSBR) paper, "The Role of Research Centers in Addressing Climate Change," was accepted for the Architectural Research Centers Consortium research conference held at the University of Texas, San Antonio, April 15–18, 2009.

President of the Minnesota chapter of American Institute of Architects **Renee Cheng** (Arch) wrote the lead article in the February 2009 issue of AIA Minnesota's newsletter, *Matrix*. In "Rethinking, Renewing," Cheng noted three profound changes that have confronted the architecture profession in the past eight years. Cheng



*Student Morgan Hertzfeld's model chair was a winner in the Design Within Reach Champagne Chair Contest.*

also wrote a guest editorial in the March/April 2009 issue of *Architecture MN*, highlighting the role architects play in creating quality of life and the new economy.

**Sauman "Sue" Chu's** (Graphic Design) "Using Eye Tracking Technology to Examine the Effectiveness of Design Elements on News Websites" was scheduled to be published in *Information Design Journal*.

Dean **Tom Fisher** published two articles in the November/December 2008 issue of *Architecture MN*. In his "Rarefied Air" feature, Fisher profiled Duluth architect David Salmela. In "Climate Zone," Fisher provided an overview of the eco-friendly Hostler Center at the American University of Beirut.

**Tasoulla Hadjiyanni** (Interior Design) and **Kristin Helle's** (MFA '08, Design Communication PhD candidate) paper "Re/claiming the Past—Constructing Ojibwe Identity in Minnesota Homes" was accepted for publication in the journal *Design Studies*.

A paper by **Brad Hokanson** (Graphic Design) and **Kristin Helle** (MFA '08, Design Communication PhD candidate), "Between 2: Tango as Interactive Design," was accepted for publication in the journal *Interacting with Computers*.

**Uttam Kokil's** (Interactive Design PhD candidate) coauthored paper, "Crop-Connect: Enabling Community Supported Agriculture," was accepted in the student design competition of the Association for Computing Machinery 2009 conference.

**Nancy Miller** (Center for World Heritage Studies) had three articles in the November/December 2008 issue of *Architecture MN*—a profile of the South Korean Samsung Cancer Center; offering brief snapshots of the Art Institute of Chicago, Des Moines Art Center, and Milwaukee Art Museum; and a profile of **Blaine Brownell** (Arch). In the March/April 2009 issue of *Architecture MN*, Miller wrote about architect David Salmela's pioneering use of Richlite, a paper-based composite, as a cladding material in the Hawks Boots Manufacturing Facility in Duluth.

**Becky Yust** (Housing Studies) and **Marilyn Bruin** (Housing Studies) were among the coauthors of a study on the pilot organization and participant experiences of the Emerging Markets Homeownership Initiative, a collaborative effort to increase homeownership among households of color in Minnesota, published in the Fall/Winter 2008 issue of the Center for Urban and Regional Affairs *CURA Reporter*.



"Tooling with Mother Nature," an article by **Blaine Brownell** (Arch) in *Discover* magazine, featured use of Shimizu Corporation's Parabienta building afforestation system.

## EXHIBITIONS AND PRESENTATIONS

Members of the college community participated in the American Institute of Architects (AIA) Minnesota 74th annual convention held in November 2008 at the Minneapolis Convention Center.

- ▶ **Blaine Brownell** (Arch) presented the Transmaterial session.
- ▶ **John Carmody** (CSBR) and **Richard Strong** (CSBR) copresented the Sustainable Building 2030 Project Workshop. Carmody was also a copresenter at the session titled MN 2030: The New Energy Standard for State-Funded Buildings.
- ▶ **Renee Cheng** (Arch) copresented the Education: A Driver for Change program.
- ▶ **William Conway** (Arch) copresented at the Visioning Rail Transit workshop.
- ▶ Dean **Tom Fisher** presented the Architectural Design and Ethics session, followed by a signing for his most recent book, *Architectural Design and Ethics: Tools for Survival*.
- ▶ **Mary Guzowski** (Arch) copresented at the program titled Great Daylighting is No Accident: Innovative Daylight Harvesting Strategies and New Simulation Methods and Metrics.



"Blue Crow," by **Jill Bezeecny** (Finance)

**Nikolas Bakirtzis** (Center for World Heritage Studies) and **Theofanis Stavrou** (History) inaugurated the Center for World Heritage Studies Round Table Series with a presentation and response in November. Bakirtzis spoke on aspects of the late medieval architectural heritage of Cyprus, Crete, Rhodes, and Chios.

**Jill Bezeecny** (Finance) had several paintings in the Studiopolis "Blue"

group show that ran February 5–7, 2009.

**James Boyd-Brent** (Graphic Design) had four watercolor paintings in *Waterborne: A Regional Exhibition of Watercolor*, which ran at the Katherine E. Nash Gallery November 10–December 12, 2008. Boyd-Brent also had work in *F+CX2*, an invitational exhibition at the Form + Content Gallery in Minneapolis that ran from January through early February 2009.

**John Carmody** and **William Weber** (both CSBR) presented "Sustainable Housing Research and Practice" in February in connection with a Rapson Hall HGA Gallery exhibition, "The Green House: New Directions in Sustainable Architecture and Design."

- ▶ **Jonee Kulman Brigham** (CSBR) took part in the session titled Solar Decathlon, Icon Solar House: Innovative Design and the Solar Decathlon.

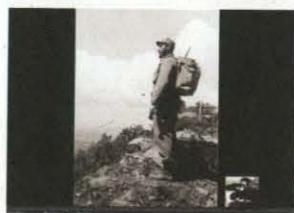
Several staff members of the **Center for Sustainable Building Research** participated in the Greenbuild conference November 19–21, 2008, in Boston.

- ▶ **Kerry Haglund** exhibited in the Efficient Windows Collaborative and Lawrence Berkeley National Laboratory's advanced facade booths.
- ▶ **Richard Strong and Dan Handeen** participated in the Athena Institute and Life Cycle Assessment booths.
- ▶ **William Weber** presented a session titled Affordable & Green: What Difference Does It Make?

# NEWS



**Sauman "Sue" Chu** (Graphic Design) presented "Using Eye Tracking Technology to Examine the Effectiveness of Design Elements on News Websites" at the Third International Conference on Design Principles and Practices, in Berlin, Germany, in March (below).



*Image from study by Sauman "Sue" Chu (Graphic Design) testing the effectiveness of using the "next" button while navigating a slide show from the Washington Post Web site.*

**Kate Daly** (Retail Merchandising) moderated a discussion in February featuring panelists Nimo Farah, Seexeng Lee, and Jorge Panchi on the challenges they face, such as mediating between group identity and social integration, an event held in connection with the Goldstein Museum of Design's exhibition "Expressions of Stability and Change: Ethnic Dress and Folk Costume."

**Joanne Eicher** (DHA faculty emeritus) presented the Textile Curatorial Council lecture, "Are All African Textiles African?" on March 1, 2009, at the Minneapolis Institute of Arts.

Dean **Tom Fisher** addressed the University's Communicators Forum on December 10, 2008, on the topic of his latest book, *Architectural Design and Ethics: Tools for Survival*.

**Mary Guzowski** (Arch) and **Virajita Singh** (CSBR) exhibited paintings and drawings respectively at the Architecture and Landscape Architecture Library, Rapson Hall, January 20–April 30, 2009.

**Tasoulla Hadjiyanni's** (Interior Design) students' designs were part of the "Building Ties '09: Culturally Sensitive Housing Design for Mexican and Somali" at the Hennepin History Museum in February and March.

**Brad Hokanson's** (Graphic Design) paper, "Circadian Rhythms and Creativity," was a featured research presentation at the conference of the Association for Educational Communications and Technology. In March 2009, Hokanson presented "Creative Problem Solving and Applications for Local Government" at the Hennepin-University Partnership brown bag lunch series, and moderated the Rimon Artist Salon in conjunction with "Desaparecidos: Mothers of the Disappeared," an exhibition of photos by Sylvia Horwitz at the Sabes Jewish Community Center.

**Daniel Jasper's** (Graphic Design) mailer/poster for his "Products of Our Time" exhibition was juried into the 10th International Biennial of the Poster in Mexico.



**Julia Robinson's** (Arch) design studio students presented for feedback initial urban designs to residents of the New Orleans Lower Ninth Ward in October 2008. Robinson is second from right, front row.

**Julia Robinson** (Arch) traveled with her design studio students to the Lower Ninth Ward of New Orleans in October 2008 to present initial urban designs to the community for feedback. The students are currently working on revisions for their urban designs as well as developing housing, commercial structures, and other buildings for the four-block site.

**Ozayer Saloojee** (Arch), a board member of Friends of Christ Church Lutheran, a nonprofit established to preserve Eliel and Eero Saarinen's church in Minneapolis, lectured on the church in the Eero Saarinen symposium and created a photo exhibition on the subject with Vincent James's office. He is also working on the first monograph about the building.



*Presentations by Metropolitan Design Center undergraduate travel fellows of their summer 2008 projects, top to bottom: Katy Szapa, sustainable streets in northern Europe; Karen Stolzenberg, cultural exchange and stratified urbanism in Casablanca; and Beth Evanson, urban revitalization in South Africa.*



**Christ Church Lutheran,  
Minneapolis**

**Tom Thao** (data manager) was selected as a poster presenter for the February 2009 University of Minnesota Quality Fair. Thao presented his work on the Enterprise Receipting System (ERS), a database-driven Web application developed in 2007 with the college's former computer lab manager **Jenny Switala**, Web and multimedia technical support manager **Theresa Tichich**, and accounting staff led by **Rose Blixt**.

## STUDENTS

Several graduate students in the apparel design program have received scholarships and recognition from the International Textiles and Apparel Association.

► **Minjeong Kang** received a Sarah Douglas Fellowship for Professional Promise and the Joan Laughlin Fellowship for her doctoral work.

- **Jae-Eun Kim** received a Marjorie Joseph Fellowship.
- **Hae Won Ju** received a Sarah Douglas Fellowship for Professional Promise.
- **Hyeong Jeong Cho** received second place in the student paper competition.

**Molly Oberstar**, retail merchandising freshman, was profiled in the *Duluth News Tribune* in February 2009 as one of four finalists in a *Mpls. St. Paul* magazine modeling contest.

## ALUMNI

**Tim Alt** (BArch '87) was recognized as the 2009 Architect of Distinction by *Midwest Home* magazine and the American Institute of Architects (AIA) Minnesota. The award is given to a licensed architect and member of AIA who has been practicing for at least 15 years. **Kerrick Wessel** (BArch '94) received the 2009 Emerging Talent award from the magazine and AIA Minnesota. The award is given to a licensed architect and AIA member who has been practicing for no more than 10 years.

**Jon Bryan Burley** (BLA '78), associate professor at Michigan State University, has published more than 200 papers and abstracts and one book. He is chair of the American Society of Landscape Architects (ASLA) International Professional

Practice Network, has won six ASLA chapter awards and two national ASLA Awards, and is a three-time winner of the Landscape Architecture Faculty of the Year Award at Michigan State University.

**John Cary** (BArch '99) and John Peterson were named designers of the year by *Contract* magazine in its January 2009 issue. Cary is executive director of the nonprofit Public Architecture.

### The Metropolitan Design

Center undergraduate travel fellows presented an overview of their summer 2008 travel study projects in February 2009. Presenters were **Beth Evanson** on urban revitalization schemes in South Africa, **Karen Stolzenberg** on cultural exchange and stratified urbanism in Casablanca, and **Katy Szapa** on sustainable streets in northern Europe.

Five College of Design alumni were named 2009 American Institute of Architects fellows: **John Cook** (BArch '83) of Hammel Green & Abrahamson; **Michael Gebhart** (BArch '79) and **David Graham** (BED '75, BArch '78) of Elness Swenson Graham Architects; **John Klockeman** (BED '79, BArch '79) of Opus Architects & Engineers, Inc.; and **Linda McCracken-Hunt** (BED '78, BArch '78) of Studio Five Architects.

**Robert Cunningham** (MARCH '83) is now principal architect for Housing New Zealand, provider of social housing for New Zealand, after 17 years of private practice as the director of Cunningham & Partners, Ltd.

**John Dwyer** (BArch '96, MArch '02) was profiled by Linda Mack in the March 7, 2009, *Star Tribune*. Dwyer was recently in East Biloxi, Mississippi, where he has been building six sustainable model homes developed by Architecture for Humanity.

**Jane King Hession** (March '95) spoke on "Frank Lloyd Wright in New York" at the 2009 annual meeting of the Minnesota Chapter of the Society of Architectural Historians in March 2009. Hession, an architectural historian, curator, and writer based in Alexandria, Virginia, is the coauthor of *Frank Lloyd Wright in New York: The Plaza Years 1954–1959*.

**Steve Huh** (MArch '74), chair and chief executive of PDI World Group LLC, was awarded the Ellis Island Medal of Honor on May 10, 2008. Huh received the *Minneapolis/St. Paul Business Journal's* 2008 Minority Business Award in June.

**Matthew Kreilich** (BA Arch and American Indian Studies '95; MArch '98) was one of eight recipients of the 2009 AIA Young Architects Award.

**Stephen Manlove** (BS Interior Design '90) has been promoted to managing director of Perkins + Will's Washington, D.C., office. The architectural firm's Washington office is currently engaged in projects for the National Institutes of Health, University of Virginia, U.S. Coast Guard, and the Commonwealth of Virginia.

**Lynda Monick-Isenberg** (M Home Ec '80) was named associate professor at the College of Visual Arts in St. Paul. Monick-Isenberg is chair of the Foundation Studies Department and coordinator of the Teaching Artist Program. She is also an artist and founding member of the Form + Content Gallery in Minneapolis.

**Richard Koshalek** (BA Arch '65, MA Art History) was named director of the Smithsonian Institution's Hirshhorn Museum and Sculpture Garden in February 2009.

**Dale Mulfinger** (BArch '67) has published *Cabinology: A Handbook to Your Private Hideaway* (Taunton Press, Fall 2008).

Photographer **Judy Olausen** (Home Economics '67) collaborated with journalist Karin Winegar to create *Saved: Rescued Animals and the Lives They Transform* (Da Capo Press, 2008).

**Eric Olson** (Graphic Design '99) presented at the Walker Art Center in March with Nicole Dotin as part of the Walker's Avant la lettre: Insights 2009 Design Lecture Series cosponsored by the AIGA Minnesota chapter.

**R. Randall Vosbeck** (BArch '54), winner of the University's Outstanding Achievement Award, recently coauthored *A Legacy of Leadership: The Presidents of the American Institute of Architects 1857–2007*.

**Jean Whalen's** (MA DHA '86) scrapbook work was featured in "The Stuff of Fairy Tales," an article in *Somerset Memories Scrapbooking & Heritage Art* magazine.

## DEATHS

**Gloria Cherne Hogan**, one of the founders of the Friends of the Goldstein, died in early 2009. Over the museum's 25-year history, Hogan served as guest curator, donated fashion garments to the gallery, and was president and board member of the Friends of the Goldstein. Hogan wrote several books, including a biography of Elizabeth Quinlan.

**James McBurney** (BA Arch '53) died in January 2009. McBurney worked as an architect, specializing mainly in architectural illustration.

## SPLIT ROCK ARTS PROGRAM

**JUNE 14–JULY 24**

Has the lackluster economy forced you to cut back on the family vacation or personal travel? Do you crave professional design-skill refreshment or inspiration? With more than 35 offerings to choose from, why not register for a Split Rock workshop and treat yourself to an unforgettable learning experience close to home?

The Split Rock Arts Program is the University's series of summer workshops in creative writing, visual art, and design. Held on the Twin Cities campus and at the University's Cloquet Forestry Center in northern Minnesota, Split Rock is a popular destination because it promises intensive study with outstanding artists and writers from throughout the world, including Anna Carlson (BS '86 clothing design), who will lead Design Process: Elements and Principles for Fashion, July 19–24.

Workshops begin each Sunday starting June 14 and conclude July 24. No prerequisites. Graduate or undergraduate credit is available. Register online at [www.cce.umn.edu/splitrockarts](http://www.cce.umn.edu/splitrockarts) or call 612-625-1976 for more information.

*Don't forget. All College of Design alumni receive a \$50 tuition discount on Split Rock workshops. Use discount code P128 when you register.*



*Lace (2008) left, and A Perfect Calm (2008), both digital prints on silk by Split Rock instructor and clothing design alumna Anna Carlson.*

## NEW PRESIDENTS FOR ALUMNI SOCIETY & STUDENT BOARD

**Justin Bieganek** (BS '97 design and studio arts), creative director and founder of beganik strategy + design, and **Nancy Binger** (interior design junior) were elected to serve as the alumni society president and student board president, respectively, from July 2009 through June 2010.



*Bieganek*



*Binger*

They will lead the Design Student and Alumni Board, providing programs and services that support the student transition from college to career. **Matt Wilkens** (BED '97 environmental design), landscape architect at Damon Farber Associates, was named alumni president-elect. His term will begin July 2010.

## NEW STADIUM FOR THE "ULTIMATE HOMECOMING" 2009

**Sunday, October 4—U of M Open House Community Day**

**Friday, October 9—Parade, pep rally, marching band, and fireworks**

**Saturday, October 10—Gopher football vs. Purdue and tailgating party**

The TCF Bank Stadium opens this fall, ushering in a new era for the University of Minnesota. Gopher football will return to campus after 28 years and "The Ultimate Homecoming" is in the works. Celebrated since 1914, Homecoming week brings alumni and the campus community together to honor the pride, spirit, and energy of the University. 2009 events include live concerts, sports, philanthropy activities, pep rally, fireworks, a parade, the football game, and a new University tailgating party on the McNamara Alumni Center plaza.

Game tickets are sold out, but alumni can tour the stadium during the open house on October 4 and view the game with other fans at the McNamara Alumni Center on October 10. (Watch for one of our alumni to be featured in the parade.)

*Watch for details this fall at [alumni.umn.edu/events.html](http://alumni.umn.edu/events.html).*

## CAREER FAIR

160 students and 89 alumni and design professionals participated in the Architecture, Interior Design, and Landscape Architecture Career and Networking Fair on March 5, 2009.

*University of Minnesota College of Design is on LinkedIn and Twitter.*

*Join and follow.*



*L to R: Alumni board reps Kate Schommer (BS Arch '03) and Matt Johnson (BArch '91) both of DLR Group, chat with Yeshi Shrestha (BS Arch student).*

## SHOVEL-READY OPPORTUNITIES FOR SUPPORT

### STUDENTS

By the time you read this, some 300 students will have received degrees from the College of Design, and our alumni ranks will have swelled by an equal number. Our new graduates are entering the real world at a difficult time. Jobs are scarce. Jobs related to one's discipline are even scarcer. Yet there is no doubt that this strong, creative class of gifted individuals will eventually find homes for their talent, and they will fuel the innovation needed to aid our country's economic recovery.

Some of these new alumni were helped during their school years with scholarship and fellowship support. Last year we made 130 awards totaling \$400,000 in student support. The current economic situation has reduced our ability to sustain the same level of awards in the upcoming year. With tuition expected to increase by 4.5 percent next year, the

THERE IS NO DOUBT THAT THIS STRONG, CREATIVE CLASS OF GIFTED INDIVIDUALS WILL EVENTUALLY FIND HOMES FOR THEIR TALENT,

combination of the declining value of our endowed scholarship and fellowship funds and fewer gifts to the annual fund, means that we will fall short of meeting student needs at a time when needs are greater than ever.

Just recently I had the privilege of meeting one of our student scholarship recipients. She is a full-time student in graphic design, works two jobs, participates in numerous college and University activities, and will still manage to graduate next December, one semester early. She is extremely grateful for the \$1,000 scholarship she receives. It means she can work fewer hours, but more importantly, it is an affirmation that she is a worthy investment. This young woman is a wonderful representative of the students enrolled in the College of Design.

I recognize that this is a difficult time for most people. But if you are able to make a gift, now is the time. The end of our fiscal year, June 30, is right around the corner. If you want to put your hard-earned dollars toward something that will have a lasting impact, invest in the education of a young person. It will pay dividends you can't even imagine. Contact Jan Sickbert at 612-624-3283 or sickb001@umn.edu if you are interested in learning more. Gifts can also be made online at [design.umn.edu/alumni\\_friends/gifts/](http://design.umn.edu/alumni_friends/gifts/).

### GRAPHIC DESIGN

There is growing recognition among design students and professionals that hands-on design technologies, such as letterpress and screen printing, encourage young designers to develop problem-solving skills and even help them find their own identities as designers. Conversely, a total emphasis on digital design is likely to create uniformity in design output. To continue to address this, the Graphic Design program would like to add the following equipment to the Surface Design Studio in the College of Design:

- ▶ lead type
- ▶ wood type
- ▶ type cases
- ▶ letterpress equipment (including presses)
- ▶ any Vandercook equipment
- ▶ digital printer for fabric
- ▶ digital printer for black and white positives (for screen-print exposure)
- ▶ intaglio press (small)

*Please contact James Boyd-Brent at 612-624-1731 or [jboydbre@umn.edu](mailto:jboydbre@umn.edu) if you want to donate one of these items or contribute money toward its purchase.*

### SOLAR DECATHLON

The University of Minnesota is one of only 20 international teams chosen by the U.S. Department of Energy to compete in the next Solar Decathlon in 2009. (See p. 3.) The competition involves building a home that uses only sunlight for power. The home will be on display in Washington, D.C., October 9-18, 2009. The winner will be the team that best blends aesthetics and modern conveniences with maximum energy production and optimal efficiency.

Building is under way and the team needs both product and cash donations. Costs include items such as construction and materials, airfare, meals, housing for the team members, transportation for the house itself from Minnesota to Washington, D.C., marketing and events related to the project, and support for faculty and staff involved in the project.

Solar Decathlon donors will be recognized on signs accompanying the house in Washington, D.C., on the team's Web site, in printed materials, and at events.

For more information, contact Sue Danielson Bretheim at 612-624-1386 or [danie002@umn.edu](mailto:danie002@umn.edu). Visit the solar decathlon Web site at [www.solardecathlon.umn.edu/](http://www.solardecathlon.umn.edu/).



# HEALING- CONTEMPLATIVE SPACES ON CAMPUS

Biologist and naturalist Edward O. Wilson hypothesized an instinctive bond between humans and other living systems called biophilia. Exposure to natural living environments, Wilson surmised, triggers an evolved relaxation response.

Armed with this and other research, landscape architecture graduate student Kristin Raab set out to design a healing-contemplative garden and connect existing contemplative spaces on the Minneapolis campus as her MLA capstone project. Raab cites a 2007 Boynton Health Survey of undergraduates finding that more than 70 percent of students expressed being stressed and more than 42 percent of those students reported the stress was affecting their academic performance. Raab further cites several studies finding that exposure to natural living environments can reduce stress, improve job satisfaction, reduce the number of physical ailments, shorten postoperative hospital stays, and decrease the use of pain medication.

32 McNeal Hall  
1985 Buford Avenue  
St. Paul, MN 55108



MARLYS MCGUIRE  
LIBRARY MAC EAST  
90 MAGRATH LIBRARY  
MAIL CODE 6034  
1984 BUFORD AVE  
SAINT PAUL MN 55108-1012 84



Nonprofit Org.  
U.S. Postage  
PAID  
Minneapolis, MN  
Permit No. 155

Working with faculty advisers Clint Hewitt and Lance Neckar, Raab carefully defined a set of criteria for the contemplative spaces, including paths for physical activity, varying sun exposures for comfort throughout the year, plants that suggest the passing of the seasons, and integrated furnishings. Though Raab is not sure if the contemplative space project will be built, the leading candidate for the site is the rooftop of the Nolte parking garage, where changes in storm water treatment are being considered.

*The Present Moment Project is designed to attract passers-by, and serve as an invitation to slow down and sit within a contemplative environment. The project explores creating settings for reducing stress on campus. Principal investigator Rebecca Krinke (Landscape Architecture) described the project as "investigating innovative ways to bring nature, a known stress reducer, indoors. This environment engages us for a moment of pause and a measure of rejuvenation."*

*The Present Moment Project was first installed in a study space in Nolte Center in early 2008 (center photo); elements were reconfigured for an installation in Rapson Hall last fall (left and right). It is currently installed in the Regis Center for the Arts on the West Bank, where a digital projection of water will be added.*

*Testing different interior settings, with different groups of users, is part of the project's research, Krinke said. People in each setting react to the art/design hybrid differently. For example, "In Rapson, students rearranged elements of the project. We found through a later discussion that this wasn't about a critique, it was an interaction, a kind of playful act, and one that had stress-reducing benefit," Krinke said.*

*The project is funded by the University's Institute for Advanced Studies. Krinke's collaborators are Diane Willow (Art) and Henry Emmons, MD (Center for Spirituality and Healing). Finding a year-long setting for the project is the next phase for The Present Moment Project.*

