

# CLEMSON UNIVERSITY/ ARCHITECTURE



FALL  
2012

CLEMSON  
SCHOOL OF ARCHITECTURE

# 100 Years of Clemson Architecture: Southern Roots + Global Reach

The first listing of architectural engineering as a "prescribed course of study" at Clemson was in the *Record of 1911-1912/Announcements* for 1912-13, and instruction in architecture began shortly thereafter. Throughout the century since, the students, faculty and alumni of Clemson's architecture program have made lasting, designed contributions to the state, nation and world. In 2013, we will hold a yearlong celebration of Clemson's Centennial of Architecture, during which we will honor the people, programs and places of the School of Architecture's past and present while envisioning the design of its future.

A committee of faculty and staff has been meeting to plan the centennial events, and you will be hearing much more about it (and hopefully participating in various events) as we enter this next academic year. So far, we've started cleaning out our closets, and we are finding a treasure-trove of artifacts and memories, including hundreds of student projects and boxes of school publications. Some of these artifacts will find their way into a centennial exhibit and publication.

A cursory review of these artifacts reveals how much things change, but more importantly, how much things stay the same. The means of communication have changed, from watercolor or graphite on paper, to ink on mylar, to digital projections. The styles of the architecture have changed, from beaux-arts, to modern, to post-modern and from deconstructivism to green critical regionalism, all parallel to the change in the styles of student dress and hair.

But, through all this change, there are powerful consistencies:

- **We are innovators.** We incorporate visionary ideals into our work and are engaged with the critical issues of our time.
- **We are global citizens.** Our graduates have a cultivated understanding of global issues and are prepared for design leadership, having experienced a geographically rich and distributed Fluid Campus.
- **We work hard, together.** Our faculty and students are engaged and collegial, a family that shares and supports its members while excited about our work and passionate about making a difference.
- **We are a design program.** We value the conceptual and the technical. We like to get our hands dirty, have a strong appreciation for making and doing, and possess a determined entrepreneurial spirit.
- **We value our reputation.** Our program is widely acknowledged as a high-quality program and an educational value in exceptional facilities and with graduates who are top performers.

Thank you for your past and future engagement with Clemson Architecture.



Kate Schwensen, FAIA, Hon. FKIA, Hon. RAIC, Hon. RAIA, Hon. JIA, SFDPC  
Professor and Chair



## A FEW EVENTS FROM SPRING 2012



April 13, 2012

### Dedication of Lee Hall restoration, renovation and expansion

Hundreds of Clemson University faculty, staff, students and friends gathered on Friday, April 13, to dedicate one of the most energy-efficient academic buildings in the United States. The recent \$31.6 million restoration, renovation and expansion of the academic building Rudolph Lee Hall complex is complete. Lee Hall houses programs in architecture, art, city and regional planning, construction science and management, landscape architecture and real estate development.



Sen. Lindsey Graham at the Lee Hall Dedication

Crowd listens to Dean Goodstein during the Lee Hall Dedication



The spring semester 2012 final design studio review in Genoa held at Loggia di Banchi

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Greenville Bark Park construction



President Barker's seminar students and faculty on the Lee III green roof



Students and faculty in Barcelona celebrating a successful semester 2012



May 25-July 7, 2012

**"Return to the Sea: Saltworks by Motoi Yamamoto"**  
**Halsey Institute of Contemporary Art**

Motoi Yamamoto is an internationally renowned artist known for working with salt, often in the form of temporary, intricate, large-scale installations. Motoi and the Halsey Institute collaborated with the Clemson Architecture Center in Charleston (CAC.C) to create two viewing platforms for the installation. This is the fifth collaboration between the Halsey Institute and the CAC.C. The students, led by Ray Huff and David Pastre, designed and built a large platform in the Halsey's main gallery to provide visitors with multiple aerial vantage points of the large salt work. They also built an outdoor viewing platform for the gallery window.



AIASC members gathered in Lee Hall for their Spring Conference

# NEW FACULTY

Four faculty members have joined the School of Architecture as new permanent faculty this academic year.

**Akel Ismail Kahera, Ph.D.**, joins us as a tenured professor and as the newly appointed associate dean for research and graduate studies in the College of Architecture, Arts and Humanities. For the past five years, Akel has served as director of the Texas Institute for the Preservation of History and Culture at Prairie View A&M University in Texas. From 2009 to 2011, he served as interim director of Prairie View's graduate studies degree program in community development. He also taught at Texas Tech University and the University of Texas at Austin. His areas of specialization include hermeneutics, design, urbanism, community development, non-Western architecture, and architectural

history and theory. He is a practicing architect and designer. Akel is the author of more than two dozen scholarly essays, as well as author or co-author of three books: *Deconstructing the American Mosque: Space Gender and Aesthetics*, 2002; *Design Criteria for Mosques* (co-author), 2009; and *Reading the Islamic City*, 2011. Akel received a B.Arch. from Pratt Institute, M.Arch. from MIT and Ph.D. in Near Eastern studies (in the fields of architecture, law and urbanism) from Princeton University.

**Ufuk Ersoy, Ph.D.**, joins us as a new tenure-track assistant professor focusing on Western and non-Western history/theory and design.

Ufuk is a practicing architect and was an assistant professor of architecture at the Izmir Institute of Technology in Turkey prior to moving to Clemson. He is also a guest lecturer in the Program of Architecture, University of New South Wales. He completed his Ph.D. in architecture under the supervision of David Leatherbarrow at the University of Pennsylvania where he also received M.Arch. and M.S. degrees in architecture. His research focuses on the glass cultures of 19th- and 20th-century architectures and the consequences of technological changes on the discipline of architecture. He has published and presented his research nationally and internationally. Most recently, he guest-edited a special issue of the

journal *World Architecture* on "Architecture in Turkey: A Global Production" and published his essay "To See Daydreams: The Glass Utopia of Paul Scheerbart and Bruno Taut" in *Imagining and Making the World: Reconsidering Architecture and Utopia*.

**Dustin Albright, AIA, LEED AP BD+C**, joins us as a new full-time lecturer teaching design studio and structures courses. Dustin has unique dual expertise in architecture and engineering, coupled with critical engagement with public projects. He has a B.S. in physics from Washington and Lee University, M.S. in civil engineering/structures and M.Arch. from Virginia Tech University. Dustin has



Kahera



Ersoy



Albright



Ault

been practicing with Craig Gauden Davis in Greenville since 2008, participating in all phases of a wide variety of projects. He has been actively engaged with the profession and local communities through his leadership in AIA Greenville's Architecture Month.

**Nicholas Ault** taught part time for us last year but joins us this year as a full-time lecturer teaching design studio and digital communications. His strengths include a comprehensive understanding of current digital practices in architectural design and fabrication, as well as a focus on pedagogy within undergraduate foundation design studios. Nick has a B.S. in technology from

Bowling Green State University and an M.Arch from the University of North Carolina at Charlotte. He practiced in Ohio, held a visiting appointment at UNCC as the director of the Digital Fabrications Laboratory and lecturer at the School of Architecture, and taught as an adjunct at Queens University of Charlotte.

# Honors and Awards

## SPRING 2012 STUDENT AWARDS

### Architecture Students Almost Sweep International Competition

Two teams of Clemson's School of Architecture graduate students earned first and second place in Dow Chemical Company's Dow Solar Design to Zero Competition. Three additional Clemson teams received honorable mention and ancillary awards. The international competition challenged undergraduate and graduate students to conceptualize energy-efficient, sustainable residential solutions on a global scale. Clemson's ambitious teams were selected by a group of their contestant peers as the winners from a pool of 131 design teams from 19 countries. Ulrike Heine was the primary professor, with Dan Harding and Bernhard Sill advising.



### Dow Chemical Company Design to Zero Competition



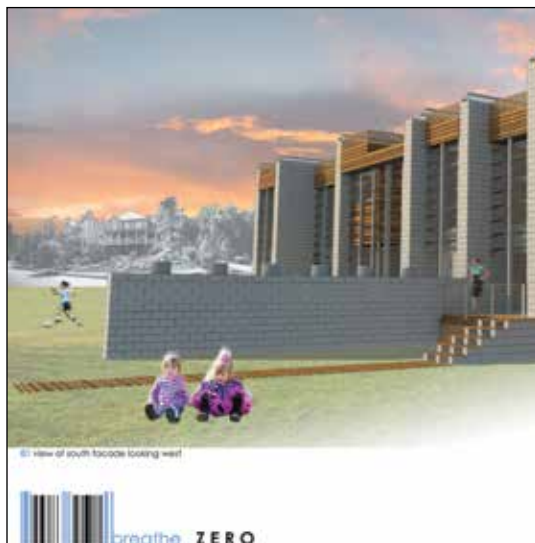
**First Prize/\$20,000**  
Eric Laine and Suzanne Steelman  
"LIVE/WORK"



**Second Prize/\$10,000**  
Daniel Kim and Caitlin Ranson  
"Project Zero"



**Honorable Mention**  
John Oxenfeld and Adam Wilson  
"Partial Submersion"



Subcategory: Design Integration  
Adrian Mora and Michael Niezer  
"Breathe Zero"



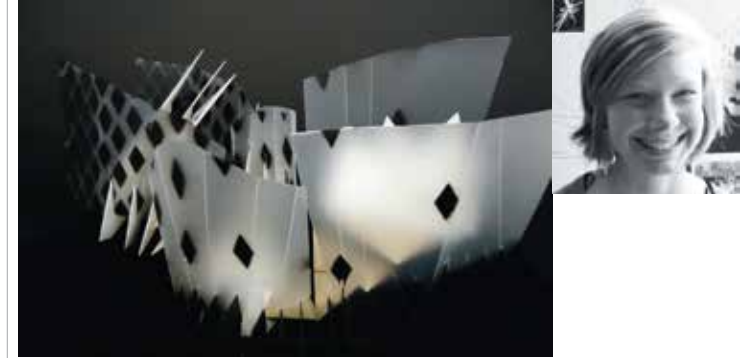
Subcategory: Integration Photovoltaic  
Jason Drews and James Graham  
"Below Zero"

## DEPARTMENTAL HONORS AND AWARDS

### Second-Year Faculty Award

This award is given to a second-year undergraduate student in the School of Architecture for scholarship and for having demonstrated promise of future professional achievement.

HALEY FAY FITZPATRICK



### Rudolph E. Lee Award

This award is given in memory of Rudolph E. Lee and the Class of 1902. It is awarded to an undergraduate architecture student who is nominated by the faculty and who has demonstrated academic excellence, participated in extracurricular activities and exhibited potential professional architectural ability.

ALEXANDER V. DARSINOS



### S.C. Chapter AIA Award

This award is given to a fourth-year undergraduate student in architecture who has been selected by the faculty for his or her academic achievement and who has shown the highest quality of design ability, professional promise and service.

ELIZABETH LYNN COONEY



### Peter Lee and Kenneth J. Russo Design Award

This award is given annually to a student in the fourth year of study who has consistently demonstrated a search for design excellence. The award is made possible through the Class of 1976 in honor of Professor Emeritus Lee and in memory of Professor Russo.

KARA MORGAN KINSEY



## BREAKING NEWS

Congratulations to these recently announced national and international student design competition winners.

**Merit Awards in the AARP/AIAS Aging in Place Kitchen Design Competition** were given to undergraduate students Nick Tafel, Edgar Mozo, Joel Pomerville and David Herrero for their project "A Kitchen Alive" and to Diane Rosch for her project "Centre." Both projects were completed under the guidance of studio instructor Annemarie Jacques.

**Honorable Mention** was given to graduate student Jingjie Zhao, with Keith Green as studio instructor, in the **2011-2012 ACSA/AISC Steel Design Competition of a Culinary Arts College**. There were 303 entries, and the jurors awarded only seven prizes, a 2 percent acceptance rate.

**The Winning Project** was awarded to Caitlin Ranson and Dianah Katzenberger (both Clemson M.Arch. '12 graduates), with Ulrike Heine as studio instructor, in the **ACSA 2011-2012 International Sustainable Laboratories Student Design Competition**. The jury awarded only two top prizes and three honorable mentions.

**The South Region Winning Project** was awarded to Nick Barrett and Sam Pruitt, with Ulrike Heine as studio instructor, in the **2011-2012 The Sustainable Home, A Habitat for Humanity Student Design Competition**, which was sponsored by the National Endowment for the Arts and Vinyl Institute. There were 100 submittals, from which the jurors chose four regional winners and three other honors, a 5 percent acceptance rate.

**Henry Adams Award**

This award is given annually in schools of architecture accredited by the National Architectural Accrediting Board. It is awarded to the second-ranked graduating student in a professional degree architecture program. The student is selected by the school in recognition of scholastic achievement, character and promise of professional ability.

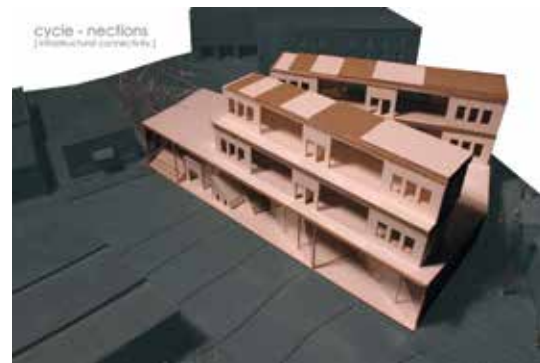
MICHAEL BERNARD NIEZER



**Alpha Rho Chi Medal**

This award is given annually to the graduating student who has shown an affinity for leadership, performed willing service for the school or department and shown promise of real professional merit through his or her attitude and personality. The purpose of this award is to commend those students who show true professional merit beyond the design studio and their academic career.

NICHOLAS JOSEPH BURGER  
CHAPTER PRESIDENT  
AIA/S CLEMSON



**Finalist**  
"Building as Landscape" (Schwennsen Studio)  
Chris Felegie, Jared Moore and Chris Wilkins

**Henry Adams Medal**

This award is given annually in schools of architecture accredited by the National Architectural Accrediting Board. It is awarded to the first-ranked graduating student in a professional degree architecture program. The student is selected by the school in recognition of scholastic achievement, character and promise of professional ability.

CAITLIN ALBRECHT RANSON



**MCCLURE AWARD 2012**

The Harlan E. McClure Award is given annually by the School of Architecture faculty in recognition of outstanding architectural design as demonstrated in a graduate project or thesis. This year's finalists and winners are shown below.



**Winner, Group Project**  
"Bark Park Design Build" (Harding Studio)  
Elissa Bostain, Megan Craig, Jason Drews, James Graham and Adrian Mora

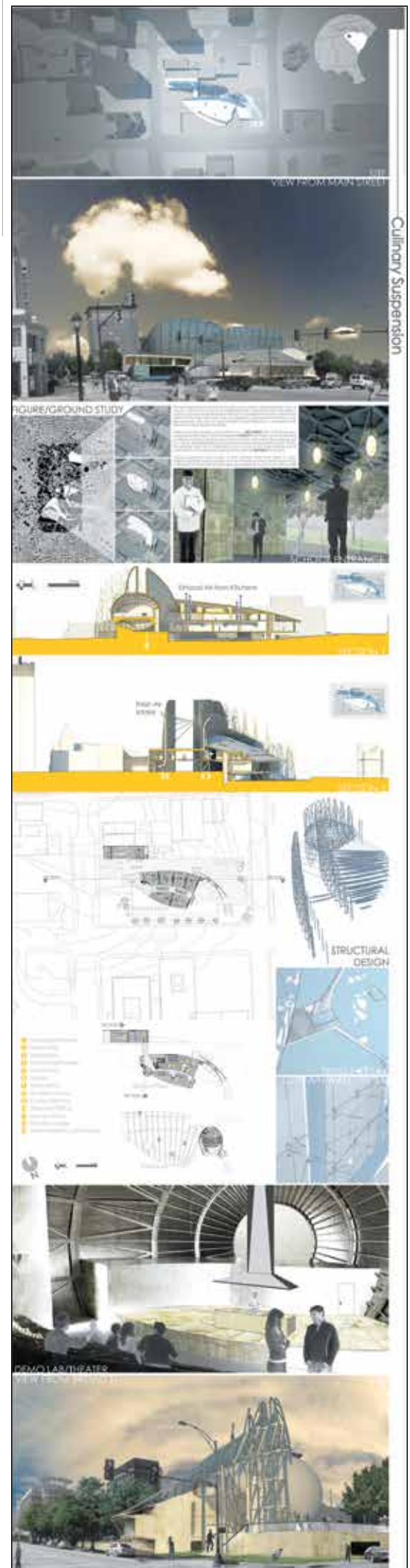
**The Mickel Prize in Architecture**

This travel award, the highest award in the School of Architecture, is given annually to the most outstanding graduating Master of Architecture student who has the best overall design ability, overall academic ability, leadership and professional promise. It is made possible through an endowment established by family, selected friends and associates of Buck Mickel.

MEGAN LEIGH WELFORD



**Winner, Individual Project**  
"Therapy Recourse" (Verderber Studio)  
Ryan Ramsey



**Finalist**  
"Culinary Suspension" (Wilkerson Studio)  
Kyungsun Orr



**Finalist**  
"Marine Laboratory and Education Center" (Heine Studio)  
Kelly Fehr and Adam Wilson

# REFLECTIONS ON HISTORY

PETER LAURENCE'S SCHOLARSHIP TRANSFORMS TRADITIONAL THINKING ABOUT ICONIC URBANIST JANE JACOBS — IN THE CLASSROOM AND BEYOND

BY HEIDI CORYELL WILLIAMS

In his graduate classes and studios, assistant architecture professor and graduate director Peter Laurence often reminds his students that an early academic inquiry can lead to a lifelong pursuit — one that is significant, continuous and highly specialized.

It happened to him — during a graduate seminar at Harvard Graduate School of Design while he was earning his Master of Architecture there. In the decade since, he has continued his research and writing in earnest, and in turn, he has changed the way students and scholars everywhere view one of the nation's most significant figures in architecture and city planning: Jane Jacobs.

Laurence's forthcoming book, *Jane Jacobs and the City*, takes his 13-plus years of research about the urban renewal activist and writer — everything from her early writings, later books and even her FBI investigation files — and offers an eye-opening examination of her work, experiences and influences.

"One of the contributions I've offered in Jane Jacobs' scholarship is to undo a lot of stereotypes about her and her thinking," Laurence explains.

It is well known that she fought against modernist city planning, for example, but in truth, she was also a great admirer of innovation. "People assume that because she recognized the virtues of older cities, she was against anything modern. But she hated arrested development in thinking, which, paradoxically, was part of her critique of modern city planning. So she would have appreciated Lee III, for example — in the way that it's green, that it's not a traditional, hackneyed building that follows a recipe and where we try to learn something new from it, and it captures the spirit of innovation," Laurence says. "She could recognize genius in modern architecture."

Failing to understand this progressive aspect of Jacobs' thinking made it easy to overlook and misinterpret her theoretical contributions to the field of architecture. Jacobs worked fervidly (and ultimately, successfully) to change the perception that there was no distinction between designing a building and designing a city. "A city is among the most complex things that human beings create. It is created by hundreds of thousands of people," Laurence offers. "She

ferociously attacked this idea that a city could be designed with the stroke of a pen. But it was not her ambition to maroon us in the past. She championed new ideas."

Today, the floor-to-ceiling bookshelves in Laurence's office hold more than a dozen six-inch-thick binders, each stuffed taut with his research — everything from photocopies of Jacobs' early writings in *Vogue* to her later, un-bylined pieces that appeared in *Architectural Forum*. He even interviewed Jacobs several times before she died in 2006.

Laurence's research also located Jacobs' extensive FBI file, and, among the redacted documents, he discovered that J. Edgar Hoover himself investigated her and pursued suspicions that she was a communist infiltrator while she worked for the State Department. (She wasn't.) This research promises to offer the defining manuscript about Jane Jacobs, significantly expanding the histories of modern architecture in the great American cities her criticism touched.

When Laurence started his research in the late 1990s, Jacobs was certainly known but not an essential part of discussions about architectural history and theory. "She was hardly discussed in my graduate level courses, which is a big part of the reason why I got started with the research," he recalls.

Laurence's research, in addition to changing academic conversations about Jacobs, has inspired professional accolades, as well. By tapping into the Rockefeller Archive Center's records on Jacobs, his work helped initiate the Rockefeller Foundation's Jane Jacobs Medal, which recognizes individuals who make significant contributions to thinking about urban design, and the foundation's 2008 international conference, "Re-Imagining Cities: Urban Design After the Age of Oil," which, with Laurence in the role of co-director, sought to mark the 50th anniversary of the foundation's grant to Jacobs with an equally significant contribution to the future.

"I became intrigued with this at a time when Jane Jacobs wasn't as important a figure in architectural theory as she is today," Laurence concludes. "For my students, this is a lesson in critical thinking — that in your course work you can find something that will keep you busy for decades pursuing it — and make a contribution well beyond the classroom."

## FALL 2012 EVENTS

**August 21**  
New Graduate Student Orientation

**August 22**  
Classes begin

**August 24**  
School of Architecture Convocation and beginning of Fall CAF/Architecture Lecture Series, "Off the Mainstream," 3:30-5:30 p.m., Brackett 100

CAF/Architecture Lecture: Brad Cloepfil, Allied Works Architecture, Portland and New York [alliedworks.com](http://alliedworks.com)



Brad Cloepfil

**September 28**  
CAF/Architecture Lecture: Heather Roberge, UCLA, Murmur Studio, Los Angeles, 1:30 p.m., Lee III [aud.ucla.edu/faculty/heather\\_roberge\\_22.html](http://aud.ucla.edu/faculty/heather_roberge_22.html) [murmur-la.com/heather-roberge-principal/](http://murmur-la.com/heather-roberge-principal/)



Heather Roberge

**October 12**  
CAF/Architecture Lecture: Camilo Restrepo, Medellín, Colombia, 3:30 p.m., Brackett 100 [camilorestrepo.net](http://camilorestrepo.net)



Camilo Restrepo

**October 12-13**  
AIAS South Quad Conference, Clemson and Greenville

**October 15-16**  
Fall Break

**October 26**  
CAF/Architecture Lecture: Belinda Tato, Ecosistema Urbano, Madrid, Spain, 1:30 p.m., Lee III [ecosistemaurbano.com](http://ecosistemaurbano.com)



Belinda Tato

**October 26**  
Open house for Architecture Graduate Studies, Lee Hall

**November 9**  
CAF/Architecture Lecture: Eva Franch, Storefront for Art and Architecture, New York, 1:30 p.m., Lee III [storefrontnews.org/archive/2010?y=0&m=0&p=0&c=0&e=396](http://storefrontnews.org/archive/2010?y=0&m=0&p=0&c=0&e=396)



Eva Franch

**November 10**  
CAF/Architecture Alumni + Family Homecoming BBQ, two hours before game time, Lee Hall (McClure) Courtyard

**November 21-23**  
Thanksgiving Break

**November 30**  
CAF/Architecture Lecture: Tim Edler, Realities United, Berlin, Germany (in collaboration with Southern Polytechnic University School of Architecture, Atlanta, Ga.), 1:30 p.m., Lee III [realities-united.de](http://realities-united.de)



Tim Edler

**December 3-7**  
Final review week

**December 10-14**  
Final exams

**December 20**  
Graduation

**Note:** Please check the news/calendar on the school's website at [clemson.edu/architecture](http://clemson.edu/architecture), as some dates/locations may be subject to change.

## TRANSPARENCY AND REFLECTION

When he isn't pursuing his research, architecture professor Peter Laurence is pursuing his other avocation as an avid, amateur photographer. But he doesn't capture his preferred subject — architecture, of course — with a weighty Canon or a saddlebag of hefty lenses. Rather, he shoots with his iPhone 4s. Sometimes the pocket-sized piece is fitted with a specialized lens like an Olloclip or an iPro, and he usually edits his pictures with a variety of mobile software, like Snapseed and Photoshop Express. You can find his work on Instagram.

"I'm just part of a renaissance of photography by people making use of these tools," Laurence offers. Although he is a long-time amateur photographer, Laurence's enthusiasm was recently rekindled by a combination of the discovery of these new tools of "iphonography" and moving into Lee III, the new addition to the School of Design and Building. Here are a few of his more recent images, illustrating an intersection between architecture and photography.



LEE HALL PHOTOS BY PETER LAURENCE



CRAIG MAHAFFEY



# Faculty News

**Peter Laurence, Ph.D.**, assistant professor, received a 2012 Graham Foundation Grant in support of his newest book, *Jane Jacobs and the City* (University of Pennsylvania Press, 2012). *Jane Jacobs and the City* shows that *Death and Life* was the result of a 25-year writing career that led her to become one of the most important writers on cities, even before her great book was published. It offers a closer and more critical look at Jacobs' life work as a whole and examines her writing, important experiences and influences, and early support for urban renewal, which expands the histories of modern architecture and American cities associated with her.

**Ulrike Heine**, assistant professor, was awarded one of only four 2012-14 College of Architecture, Arts and Humanities Creativity Professorships, an award specifically oriented toward recognizing faculty members engaged in exemplary, creative teaching and/or research activities.



Heine

**Dina Battisto, Ph.D.**, associate professor, has been serving as the principal investigator, with key collaborators Debbie Franqui, Sonya Albury-Crandall, Mason Couvillion and Sarah Wade, on significant sponsored research for the Department of Defense's Military Health System.



Battisto

**Keith Green, RA, Ph.D.**, professor and director of CU-iMSE, was the recipient of a gift of software from Siemens (valued at \$1.5 million) for use in iMSE's research program, design of intelligent "architectural robotic" living. He was also the recipient of a \$271,000 NSF Smart Health and Well Being grant to design, construct, field and evaluate ART, an Assistive Robotic Table that supports independent living.



Green

**Bo Garland, AIA**, lecturer, received an AIA Greenville Special Design Citation for his design of Merge corporate offices.



Garland

**Henrique Houayek, Ph.D.**, lecturer and recent resident professor of the Clemson Architecture Center in Genoa, Italy, is working with DG-AP Arquitetura E Planejamento, Rio de Janeiro, Brazil, who partnered with AECOM London to win the International Rio 2016 Olympic Park competition. Henrique is focusing his design development work on the velodrome and IBC press center.

**Stephen Verderber, Arch.D., NCARB**, professor, is pleased with the publication of his sixth book, *Sprawling Cities and Our Endangered Public Health* (London: Routledge, 2012).

**Robert Bruhns**, senior lecturer, will be serving as the resident professor of the Charles E. Daniel Center for Building Research and Urban Studies in Genoa during fall semester 2012.

**Doug Hecker**, associate professor, is conducting research and creative work in repurposing shipping containers with a project currently under construction on a brownfield site in Asheville, N.C., and another large-scale eco-village proposal in Haiti. He is collaborating with Shane Coen of Coen + Partners, Frank Swit of Gannett Fleming Engineers, Charles Waldheim of Harvard University, Louis Dejoie of St. Michel Development and Dean Smith of Land O' Lakes Inc. His work with emergency and disaster relief is featured in *Urgent Architecture: 40 Sustainable Housing Solutions for a Changing World* (Bridgette Meinhold, 2012).

**Dan Harding**, associate professor, with students and collaborators and through his direction of the Community Research and Design Center (CRDC), has completed over a dozen tactical intervention design + build projects and an equal number of charrettes for prospective projects in the Clemson region during the past academic year. Beginning in the 2012-13 academic year, M.Arch. students with this focus will have the option of enrolling in a new certificate program, Architecture + CommunityBUILD.

**Sallie Hambricht-Belue**, assistant professor, organized a full series of digital design workshops for students and faculty throughout the academic year. She is also a new graduate of the S.C. New and Beginning Farmer Program, which is sponsored by Clemson and USDA.

We are sad to announce that **Bernhard Sill**, assistant professor, has left his position with Clemson to return to Germany to finish his Ph.D. and teach at the Technische Universität Berlin.

**David Allison**, Alumni Distinguished Professor, a licensed architect and director of Clemson's nationally recognized graduate studies in architecture and health (A+H), didn't spend a night as a hospital patient until he was in his 40s. Today, students in his A+H program don't graduate without being hospitalized for at least one night — all in the name of education.



PATRICK WRIGHT

BY HEIDI CORYELL WILLIAMS

While some A+H students enroll because of a personal experience in a health care setting, some, like Allison, may have never stepped foot in a hospital room in their 20s and 30s. That's why he now incorporates, as a component of the 61-course-credit program, an overnight stay at an Upstate hospital when students are working on the program's patient room prototype projects. Partnering with an area health care system, they check in, wear a gown, eat hospital food, and experience a steady stream of medical personnel, noisy alarms and night-shift nurses.

"Getting architecture students to understand the balance between human factors and clinical needs is about personalizing the experience," Allison says of the program he has led since 1990.

"A lot of our students are motivated by the sense that architecture is about improving the lot of humanity by providing a healthy environment," Allison says. "They want to do good with their work, and there's hardly any better place to do that than in health care."

One of only a handful of health architecture programs nationally, Clemson's A+H program is also one of the oldest and most comprehensive. It was created in the late 1960s as the Health Facilities Planning and Design Studio by George C. Means Jr., FAIA, and was designed to prepare graduates to engage in the integrated planning and design of health care facilities — be it a hospital, nursing home or doctor's office. Since then, there have been more than 200 graduates, Allison included.

Many, Allison chief among them, have gone on to become leaders in the industry. He has received numerous awards for being one of the most influential people in the nation for health care design because of his work in the field, the classroom and the lab.

"Health care architecture has improved dramatically in the last 20 years, and we like to think our graduates have contributed to that in a significant way," Allison says.

When he isn't taking students to the hospital, he brings the hospital to them. He serves as the author and principal investigator of Clemson's emerging Health Facilities Design and Testing Center of Economic Excellence, a collaborative program that holistically approaches considerations of design, human factors and clinical needs. One of the most innovative components of the center to date has been Allison's development of an award-winning Patient Room Prototype, initially designed and built by an interdisciplinary collaborative team of students and faculty in a "black box room" on campus.

Collaboratively located in the Clinical Learning and Research Center in the School of Nursing, the black box room allows health architecture students to work from the studs out. They apply their education and research to every element of the room — from design and furniture to lighting, medical technology and even entertainment options like television

screens. Then, design concepts are evaluated by faculty, students and clinician teams. Lessons learned help further design refinements.

"This is one of the ways that an idea is incubated in the studio and migrates out," Allison says.

Work on the Patient Room Prototype has received several national awards and attracted hundreds of thousands in research grants. More importantly, it is already prompting changes in the way hospital rooms are designed. A foldaway Murphy bed that originated in the Clemson patient care room is being explored with a hospital furnishings company to bring to market. A Clemson prototype for the patient room headwall is also likely to show up in other health care centers soon; it takes all the flashing buttons and metal switches that fill the walls of most hospital rooms and tucks them away in the headboard of the patient's bed.

"It's about managing a balance between a place that effectively and efficiently supports patient care in sometimes life-and-death events and also provides a supportive well-tuned environment that optimizes comfort and control for patients and their families," Allison concludes. "Above all, it's about creating meaningful places."

## DAVID ALLISON

### Did You Know?

David Allison was selected in 2007 as one of "Twenty Making a Difference" nationally by Healthcare Design Magazine. He was identified again in 2009 and in 2010 by a national poll conducted by the magazine as one of the 25 most influential people in health care design. This year, he was named once more as one of the eight most influential people in health care design.

### Patient Room Prototype

The prototype hospital room is a design proposal for an in-patient hospital room that illustrates what could be possible in the next five years. The room was envisioned as a flexible plug-and-play chassis with a kit of parts that could be adapted over the life of the room or the duration of a patient stay to accommodate a wide variety of changing needs. This environment would better assist in the care of patients by streamlining staff workflow, improving patient experiences and promoting safety. Sponsored by NXT, the Department of Defense, and Telemedicine & Advanced Technology Research Center, it won the Healthcare Design 2006 Contract Magazine Healthcare Environment Award, Professional Conceptual Category. A 2020 concept version of the patient room was taken further by other faculty and former A+H students and received another Healthcare Design Contract Magazine Healthcare Environment Award in 2010.

# Healthy by Design



