Cover image: Exterior rear, house of Mr. and Mrs. Robert C. Metcalf, 1952, Ann Arbor, MI. Photograph courtesy of the Bentley Historical Library, University of Michigan.
Before becoming dean at Taubman College of Architecture and Urban Planning, I was a professor of architecture at Harvard University where I taught design studios; lecture and seminar courses on topics, including digital technology and the history of design; and an introductory course on the environmental impact of material selection and application. I am also a practicing architect and as such, I have dealt with the struggle to do the right thing on real projects, in real time, with real budgets and real constraints. As someone who has a foot firmly planted in academia, and a foot firmly planted in practice, through this essay, I wanted to address the design
of objects and buildings, and where I see the challenges for the future, as well as the opportunities.

But first let’s review some facts that have now become common knowledge: buildings are one of the heaviest consumers of natural resources and account for a significant portion of the greenhouse gas emissions that affect climate change. In the U.S. alone, buildings account for 38% of all CO2 emissions. Buildings represent almost 40% of U.S. primary energy use and 75% of all U.S. electric consumption while they consume 14% of potable water.

Perhaps less discussed, but no less significant, is buildings’ share of material consumption and waste output. The EPA estimates that 170 million tons of building-related construction and demolition debris are generated annually, with 61% coming from nonresidential and 39% from residential sources. This represents 30% of all waste output in the United States (2003 numbers reported in 2009). Similarly dramatic, is that buildings use 40% of raw materials globally.

This is, of course, not surprising. From the onset of industrialization, material production in the various design fields—from industrial design to the design of environments and buildings—has had and continues to have a devastating effect on the planet. So given the magnitude and complexity of the problem, how can designers participate in the solution?

The answer to this question is complex. Building is at the center of many disciplines, and therefore no one field can provide effective alternatives. To address the environmental impact of buildings will demand a revolution where many fields will be required to think differently about their missions, their histories and their purposes. We will also need regulatory mechanisms that ensure change in the market place. We will be dependent on access to innovation and information so that designers, owners and users can make informed choices.

Today many designers see third-party certification systems as the only viable solution to the environmental impact of buildings. Third-party certification systems and organizations have become increasingly streamlined, recognized and respected. LEED rating, for example, assigned by the U.S. Green Building Council (USGBC), has undergone a revolution in just over ten years. The program has grown to cover about 70,000 projects, from six volunteers on one committee to hundreds of volunteers in 78 local affiliates.

Despite its success, LEED has fundamental flaws that expose the limit of third-party certification. For example, negative points are not part of the system. In theory, one could do something terrible for the environment, garner points through other means, and still have a LEED-certified building. Or, for example, LEED only helps to compound the very complex issue of transportation of materials to the site: local production is not always best, despite its immediately apparent benefits. There are some strong arguments in favor of large-scale, centralized production in some industries. For instance, energy-intensive production such as steel and glass manufacturing are more efficient and less polluting in midsize-to-large plants than they tend to be in small, community-scale operations. Similarly, the manufacture of some energy-saving products, such as window glass with low-e coatings, requires highly developed equipment that is not economically viable on a small scale.

Despite these limitations, LEED remains an effective tool for informed designers who want to make a difference. I have experienced this first hand in my practice. In the Macallen project LEED certification enabled us to incorporate environmentally sensitive strategies into the design, not only because our client wanted to build a better building, but also because LEED certification allowed him to send a clear message (Figure 1). LEED certification served as a marketing tool. Without LEED the incentive might not have been there.

The challenge is clear. Despite the hype, the excitement, and the best intentions, a volunteer system will never be as effective and have as much impact in transforming the way
we build and manage buildings as actual legislation. Despite its extraordinary rate of success, the environmental impact of LEED certification at this time is negligible. Only legally bound regulatory statutes have proven effective in producing tangible, wide-spread change.

The solutions to many of the environmental challenges that pertain to buildings are close within our reach, particularly on the energy front. Advances in the design of building envelopes have placed within our grasp a substantive reduction of the environmental impact of new and existing buildings. The digital revolution has given us the tools to address energy as well as water consumption in buildings. The North House, by Geoffrey Thün and Kathy Velikov, is a great model of what is currently possible. We need to design buildings that take into account that the computer revolution took place and use software as a means to control environmental quality, energy and water consumption within existing and new buildings. The North House is a research prototype that competed in the U.S. Department of Energy’s Solar Decathlon in 2009, where it placed fourth. It employed two primary technological systems using feedback and response mechanisms: a Responsive Envelope, which reconfigures in response to changing weather conditions, and a custom developed Adaptive Living Interface System (ALIS), which provides detailed performance feedback and system control to the inhabitants, equipping them with informed control of their home (see page 12). Over the course of one year, the home is able to produce up to 6600kWh of electricity beyond what it consumes, and it is able to feed this additional power back into the energy grid.

We need to examine why the means to reduce energy and water consumption in buildings has advanced in research institutions but lags behind in the construction industry. While the digital revolution moves forward at previously unimaginable speed, and digital technology is now deeply embedded in our daily lives, its application in buildings remains in the dark ages. Smart buildings have been the subject of sophisticated research, but little has actually been built. Traditional market mechanisms have failed. It is evident that only performance requirements reinforced by legislation will ensure a fundamental transformation of the industry. The issues of material consumption in buildings and waste output by the construction industry represent complex problems affecting the environment with difficult histories. Let’s take a look at the selection and use of particular species of wood in American furniture. The use of oak as a common material at the end of the century was due to this scarcity. Oak was abundant, so American cabinet makers developed methods to treat oak that de-emphasized the grain and darkened it, in a way making it close to the look of walnut. By the 1910s, as the supply of large oaks declined in the Midwest, oak lost its prominence, and the furniture industry began to harvest trees in the South making poplar, maple and birch the woods of choice. This cycle of “popularity” and “depletion” is one that persists even today, but now at a global scale. This story illustrates how the various fields included under the rubric of design have had a tremendous impact on the degradation of the environment. Whether in the production of objects, buildings or interiors, more often than not, design has been at the center of human interventions that have negatively affected particular ecosystems on a global scale.

How to address the problem of material consumption remains one of the most pressing problems of our time. Today, despite the proliferation of information available to us about materials, the right solution in material selection is hardly apparent. Let’s take plywood, a very common material. If you look at its embodied energy, plywood remains one of the most sustainable materials for the production of buildings and furnishings. Plywood is a dramatically more efficient use of material than wood for buildings and furnishings (Figure 2). Its laminate structure was engineered to provide great strength with very little matter. Plywood is typically 1.8% binder by weight. Very few types of glue can be used to adhere thin layers of veneer together, and only those with higher molecular weights can be used without penetrating the ply layers. Until the mid-20th century, vegetable and animal glues were used. With the advent of formaldehyde-based binders, plywood manufacturers almost exclusively switched to the new, cheap, and waterproof phenol formaldehyde (PF) and urea formaldehyde (UF) resins. PFs are dark in color and utilized primarily for exterior and sheathing applications. Off-gassing is minimal once the curing process is finished, but like all formaldehyde-based products, PFs are a known carcinogen. On the other hand, UF s are light in color and used in furniture-grade plywood. UF s continue to off-gas throughout their lifecycle, posing a health risk to both laborers on the production end and end-users, but are far cheaper for the manufacturer. In short, both types of plywood are potentially harmful to human health. Current alternatives to these glues include soy-based binders and PVAC adhesives (like Elmer’s glue). A number of manufacturers and research institutes remain in the research phase of product development, but at least one major plywood company, Columbia Forest Products, carries a soy-based adhesive, which it sells at a premium. This is just one example of the complexity of material selection in building.
Let’s consider the use of wood as a primary material in building. Wood products comprise 47% of the manufactured materials in the U.S. and consume only 4% of the total energy for manufacturing raw materials. When you look specifically at a structural member, let’s say a beam, this becomes even more apparent (Figure 3). However, an analysis of the same material from another point of view gives us a potentially different answer. Deforestation accounts for 1/5 of total global carbon emissions and is most threatening in the tropical regions of the world. Industrial logging accounts for almost 1/3 of deforestation world-wide. Since export and domestic timber are only 16% of that 1/3, on the surface it does not seem that the building and product manufacturing industries are having a great impact on deforestation. However, the furniture, interiors and building industries are the primary users of tropical hardwoods, and it is in tropical deforestation that damage remains significant globally in terms of species diversity, environmental health, and cultural destruction.

To combat deforestation, third-party organizations have again developed standards for responsible practice. The most widely recognized of these organizations is the Forest Stewardship Council (FSC). FSC certification allows consumers to know that the wood products they are purchasing have been logged from a sustainably-managed forest. As a designer, FSC wood is an easy choice, but one with limited impact. FSC forests account for 5% of the world’s productive forests (July 2009), according to the FSC. As successful as the FSC has been, volunteer, market-driven initiatives are slow to take hold and effect change. We need legislation that will ensure that compliance with standards for best practice become the norm, rather than remain the exception.

Parallel to the implementation of statutory laws, addressing the challenge of waste and consumption in buildings will require the fundamental transformation of construction practices. Today’s building industry came into fruition during the industrial revolution, and has remained virtually unchanged. At the turn of the 20th century, construction methods were conceived for ease of assembly, at a time when materials seemed abundant and plentiful. It is in the 19th century that standardization of materials across large geographic areas came into being, forever transforming the way that buildings are produced. The consistency of dimensional lumber or “modern” brick sizes and their implications for construction are very much part of the reality of building today. These new techniques came into being without the critical input of those outside the building industry, propelled almost exclusively by short-term economic forces with unexpected societal and environmental consequences. For example, the efficiency of assembly of dimensional lumber, enabled by the wide-spread use of platform framing, resulted in the boom of the lumber industry, but by the end of the 19th century most forests in the American Northeast had been depleted.

Despite their enduring history, conventional building practices can no longer be sustained. Standardization and efficiency need to be re-conceptualized in the service of material economy. A new building industry needs to emerge with ease of disassembly as its primary goal. New material standards and construction techniques need to be developed that will enable us to easily transform our buildings as our needs change, and which will easily allow materials to be re-used when a building is taken down. Recent advances in digital technology have laid a fertile ground for this wholesale transformation. Parametric software allows for complex variations to emerge out of repetitive systems, and digitally guided fabrication enables material efficiency. We already have the capacity to design for disassembly—this should become the catalyst for new building practices that address contemporary needs while anticipating environmental consequences.

**Footnotes**

4. Completed in 2007, the Macallen Building is the first LEED Gold Certified residential building in Boston. Its green building innovative technologies will save over 600,000 gallons of water annually while consuming 30% less electricity than a conventional building. The Macallen Building has won numerous awards, including an AIA/COTE Top Ten Green Project in 2008, as well as an AIA Institute Honor Award in Architecture in 2010.
Green Alleys

Urban Planning Ph.D. candidates and alumni collaborate to understand how alley design choices affect urban heat islands in Chicago neighborhoods.

The creation of alleys in metro markets boomed as the country industrialized during the 19th century. As Chicago grew, it became the city with the most alleys in the world, 1,900 miles. In 2006, the Green Alley Program was initiated by the Chicago Department of Transportation (CDOT) to alleviate some unintended environmental consequences of alleys, such as their contribution to storm water run-off and the urban heat island. The Green Alleys Initiative is administered by Janet Attarian (B.S.’90, M.Arch.’92) and David Leopold (M.U.P.’05). The program began as a pilot in 2006. It was seen as such a successful program it was fully implemented in 2007. In 2009, more than 100 green alleys were retrofitted.

The environmental impacts of the green alleys are difficult to measure. A reduction in flooding is more obvious, whereas heat reduction and the impact on area populations are harder to measure, which is what Ph.D. candidate Paul Coseo (M.L.A.’04) set out to do.

Coseo previously worked as an urban designer in Chicago. He wanted to understand how design technology could reduce the adverse effects of urban heat islands. Improving the quality of life for those who lack access to consistent air conditioning or natural shading from trees was the goal. Chicago’s green alleys provided a design technique to test a range of socio-economic neighborhoods. He hopes to determine how effective the alley technology is in reducing urban heat island effects and how this information could be applied more widely in urban design to help populations who are negatively impacted by heat.

“CDOT used the alleys as testing grounds in order to understand how these design techniques could best be used in Chicago. They increased surface reflectivity to reduce the amount of solar radiation that the alley absorbs. They used permeable paving allowing for increased moisture and evaporative cooling to occur,” said Coseo. “However, one of the important components of this research is how these design techniques combine with other social factors to reduce residents’ heat exposure and ultimately their vulnerability to heat stress and illness.”

Coseo outlined data to measure sixteen alleys in eight different neighborhoods. A green alley and a control non-green alley were designated in each neighborhood with Midway Airport as the city benchmark for temperature and humidity. He mounted semi-permanent weather stations in each of the alleys, capturing temperature and humidity every five minutes.

“Paul’s work will help us to evaluate the performance of the Green Alley Program and provide relevant data for environmental, public health, and social service groups working on tools to mitigate the effects of the urban heat island.” — David Leopold

Using funds made available to him as a Graham Environmental Sustainability Institute Doctoral Fellow (Portico Spring 2010), Coseo collaborated with fellow Ph.D. candidate Nick Rajkovich, who built a mobile weather station, the UrCHIN weather bike. Coseo took UrCHIN measurements in the alleys July-October. The final data collection component involved a survey of residents to gauge their knowledge and sentiment about the Green Alley program. The survey is being followed up with a limited number of interviews of survey participants to collect more meaningful stories of how neighborhood residents use their alleys and how they cope with hot weather. Coseo and Rajkovich presented their initial findings at the International Urban Environment Conference hosted by Arizona State University (October). They hope to share results by fall 2011.
Constructing Modern: The Office of Robert C. Metcalf Architect

Taubman College celebrated the work of Robert C. Metcalf this fall through the opening of an exhibit to honor his office’s work. The exhibition included over 130 architectural drawings and prints of drawings, representing 18 projects produced by the office of Robert C. Metcalf Architect between the period of 1953 and 1976.

Metcalf began his studies in architecture at the University of Michigan in 1941 only to be interrupted by the events of WWII. Following special training in civil engineering, he also trained soldiers to pilot the Sherman tank and faced combat as an infantryman. Metcalf returned to the University of Michigan to continue his studies in 1946. The year before graduation, he began work as an employee in the office of Ann Arbor architect and University of Michigan Professor George B. Brigham. Without any additional experience outside of formal schooling Metcalf would become the head draftsman and managed construction supervision for Brigham. He carried this experience into his own professional practice.

In 1952, Bob and his wife Bettie began constructing their own house on two lots in Ann Arbor at Arlington Boulevard. Both held day jobs and would meet at the job site in the afternoons. They worked along side each other in all aspects of construction including shoveling, mixing mortar, laying bricks and regularly having dinner on site. The construction of the house was a means for Metcalf to evaluate the process and determine how to best resolve issues he learned on the site. In the month of May, after digging and preparing for pouring concrete footings for the garage, he made an entry in his daily journal: “Moral—Forms are time consuming eliminate when possible.” His journal also served as a record of labor hours.
to track time involved in laying brick suggesting he anticipated repeating the process. The Metcalf House was completed in 1954.

Metcalf became a registered architect in 1953 and his first commission was for Professor Richard H. Crane. Metcalf credits Crane and eventual client David Dennison for developing the “proximity fuse” at a gravel pit in Dexter, Mich. Crane was not an unusual client for Metcalf. Many of his clients included prominent business, scientific research and academic leaders in the Ann Arbor and Detroit areas. Between 1953 and 1958 Metcalf commissioned more than 40 architectural projects, most of which were residential. This was due in part to the post-war demand for housing and the reputation he and Bettie had created by designing and constructing their own house. Visitors would show up voluntarily to see what he and Bettie had built and inquire if Metcalf could design a house for them. He expressed residential work was something he wanted to do because he could manage it from “beginning to end.”

The earliest project featured in the exhibit is Metcalf’s student thesis project—A Dairy Farm. The level of detail seen in the cross sections indicates that at the completion of his architectural studies, Metcalf possessed a very high level of skill for design and detail, a trait later seen in all of his professional work. Characteristic of each project presented in the exhibition are the conventional architectural plan, detail and elevations and details. “I developed a very good reputation with the builders over the years because we drew the details nobody wanted to do,” Metcalf said.

Various photographs and documents of the projects are also included, providing a glimpse into the carefully managed project files where we can learn of the specifics of each project including programming, heat loss calculations, design sketches, structural calculations and client correspondence. After living in his house for nearly 30 years, Millard Pryor wrote to the architect, “It is hard to put this in writing, Bob, but you have added so greatly to our personal enjoyment by the many wonderful features that you designed for us.”

Metcalf worked from his home before building his own office in 1967. Over the course of his career numerous University of Michigan alumni worked for him. William Werner began working with Metcalf in 1955 and continued to work for him until quite recently. Werner comments on how he worked very closely with Metcalf in the design process and recalls in the early years there were “three of us in his garage drafting together.” Werner graduated with his bachelor’s and master’s of architecture from Michigan in 1952 and 1957. He taught “structures” in the College of Architecture and Urban Planning beginning as an instructor in 1956 and retiring as a tenured professor in 1998. Tivadar Balogh, a fellow UM alumnus and later instructor at the College, joined Metcalf’s firm in 1954 working as one of his draftsmen until 1960. Many of the drawings included in the exhibition are attributed to Balogh and Werner and share the same level of precision and detail Metcalf required of all his projects.

Metcalf became a member of the faculty at Michigan’s College of Architecture and Urban Planning in 1955, later held the position of chairman between 1968 and 1974, and was dean between 1974 and 1986. Metcalf retired from the University with emeritus status in 1991. During his career Metcalf received numerous awards for his work. He was a member of the College of Fellows of the American Institute of Architect (AIA) and was honored with the President’s Award for lifetime achievement from the AIA Michigan in 1999.

Special thanks for their support and contributions to the exhibit are given to the following: Fran Blouin, Director of the Bentley Historical Library; the Bentley Historical Library staff including Nancy Deromedi, Karen Jania, and Malgosia Myc; the students and staff at the Taubman College of Architecture and Urban Planning including Tom Affeldt (M.Arch.’11), Branden Clements (M.Arch.’13), Amber LaCroix, Liz Mombianco, Anca Trandafirescu, and Dean Ponce de Leon. And our friend, Bob Metcalf.

— Gregory Saldaña, Curator

To view more work: taubmancollege.umich.edu/metcalf

Opposite page. Top: House for Mr. and Mrs. Kenneth Patterson, 1956, Ann Arbor, MI. Below: Professor and Mrs. Edmund S. Botch House, 1957, Ann Arbor, MI. Colored pencil rendering on paper, original size 8.5 x 11 inches. Drawing attributed to Tivadar Balogh. This page. Bob and his wife, Bettie, constructing their own house in 1952. Photographs courtesy of the Bentley Historical Library, University of Michigan.
The exhibition represents the only attempt to document and understand the work of Robert Metcalf. Although he has always been a well-known figure among connoisseurs of American architecture of the postwar, his work has not been part of any scholarly study. This is all the more surprising given Metcalf’s own commitment to academia as a long-time member of the faculty at the University of Michigan, where he influenced generations of students. Given the quantity and quality of his production, the fact that Metcalf has remained virtually unknown at the national level presents an interesting puzzle that might bring to light a more complex picture of midcentury architectural production.

Perhaps the answer to this mystery lies in Metcalf’s own character, as well as his emphasis on quality of construction, service to clients, and environmental stewardship over originality, newness of form or stylistic considerations. Metcalf spent no time on self-promotion and treated every project as a learning lesson for the next. While on the surface his work is canonically modern, the projects were ahead of their time in his commitment to environmental performance. Although not apparent to the naked eye, his buildings’ components and siting are carefully calibrated for environmental reasons. In every project this passive technology was balanced by innovative mechanical systems that Metcalf designed himself. This integration allowed Metcalf to truly control climatic performance, and turned each building into a research laboratory for the next. Similarly, Metcalf was passionate about quality of construction and spent an extraordinary amount of time developing details and improving them one project at a time. While Metcalf’s vocabulary is definitely modern, his understanding of construction and precise manipulation of material assembly is not minimalist, abstract or reductive, and on a second look it exposes assemblies and logics deeply rooted in the conventions of building. This was his passion, the subject
of much of his teaching career and at the center of his curricular changes at the University of Michigan during his tenure as Chair and Dean. Equally important is Metcalf’s emphasis on architecture as a service profession, which led him to insistently address the needs of the client during his design process. He developed a design methodology that meticulously understood the experience of the user and seamlessly incorporated it within the building. Testament to the success of his methods is the fact that despite their modern style, most of his built projects have remained intact immune to cultural changes in stylistic fashions.

While these themes were not the subject of much debate or interest within the canons of American modern architecture, they seem very much at home within the cultural context of the post-war era in the Midwest. The exhibition explores these themes as a means of understanding the complexities of architectural practice. The intent is to expand traditional notions of midcentury modernism by looking beyond aesthetics in order to address broader—more complex—sets of questions such as regional cultural frameworks, ecological concerns and building conventions. What is powerful about Metcalf’s work is that these issues were not to the detriment of a strong stylistic agenda, but were seamlessly embedded within the architecture and the design process.

Monica Ponce de Leon and Gregory Saldaña are co-authoring a book on the work of the office of Robert Metcalf.
Architecture faculty members were presented with three of the seven Architect Magazine Fourth Annual R+D Awards, announced in August. The awards recognized the importance of research and development as defining principles in architecture, as “savvy clients expect buildings to be ever-smarter and more efficient, and architects are continually pushing materials beyond their known limits to reimagine the very nature of shelter.”

The University of Michigan projects were selected from more than 100 submissions based on three criteria: excellence in proof of performance; aesthetics; and evidence of progressive thinking. The award winners presented at Architect Magazine’s September R+D Symposium in Chicago.

North House: Responsive Envelope Prototyping, by Associate Professor Geoffrey Thün; Assistant Professor Kathy Velikov (RVTR / Team North)

North House Responsive Envelope Prototyping is a component of North House, which was designed and built for the 2009 U.S. Department of Energy’s Solar Decathlon. Thün and Velikov were the faculty leads and professional advisors in the interdisciplinary, inter-institutional effort to deliver a technologically advanced, energy efficient housing model that responds to the demands of northern climates. “Team North,” based in Ontario, was a collaboration between the University of Waterloo, Ryerson University and Simon Fraser University’s School of Interactive Arts + Technology; Thün and Velikov were faculty members at Waterloo before joining University of Michigan.

From the Architect Magazine award jury critique: “Any architect pursuing LEED points knows that the actions of the occupant can have more impact on a building’s energy performance than any single technology, so the design team concentrated on developing a building management system—called the Adaptive Living Interface System (ALIS)—that is both easy to use and informative. The program collects data and monitors energy use and production, water use, and indoor and outdoor environmental conditions. This information can be accessed via a web-based application that parses the data and can track patterns over months or years.” North House was also honored with an Ontario Association of Architects’ 2010 Award of Design Excellence. During the summer, Velikov and Thün visited mass-customized home manufacturers in Japan (funded through the Canada Council for the Arts’ Prix de Rome in Architecture) to examine the potential for incorporating a...
range of technologies developed for North House into new types of low-height, high-density sustainable housing for North American markets.

**Digital Steam-Bending: Developing a Parametrically Adaptable Wishbone Structural System, by Assistant Professor Steven Mankouche; Lecturers Josh Bard and Matthew Schulte**

In Digital Steam-Bending, the 19th century technique of bending wood with steam was revisited with 21st century digital tools. From the Architect Magazine award jury critique: “Using parametric modeling coupled with CNC technology, the group pushed the material to its limits, using a series of failure points as the basis for generating form. The group designed and tested two structural systems, based on Michael Thonet’s iconic No. 14 bistro chair, and on canoe construction techniques of the Great Lakes region. This wishbone system, now being considered for movable pavilion structures, has been built through to full-scale prototypes.”

Digital Steam-Bending was also announced as a top 100 exhibit out of 1,713 entries in Grand Rapids, Mich., 2010 ArtPrize competition.

**The Shadow Pavilion, by Associate Professor Karl Daubmann (PLY Architects)**

The Shadow Pavilion, designed by Daubmann, is both a structure and a space made entirely of holes. From the Architect Magazine award jury critique: “The surface of the pavilion, which was installed at the Matthaei Botanical Gardens at the University of Michigan, is made of 100-plus, laser-cut cones that vary in size. Beyond testing the limits of sheet aluminum, the cones funnel light, moisture, and sound to the interior space. Yet the outcome seems almost beside the point: It was the process that most intrigued the jury. The design team...conducted an exhaustive study of geometric patterns and presented them compellingly in what juror Cristobal Correa called a ‘tight little book.” In addition to admiring the project’s formal investigations, the jury lauded the submission for embracing materials testing. Shadow Pavilion was also honored with the AIA Small Project Practitioners Design Award in the category of Small Project Objects at the AIA National Convention in June.

*Digital Steam Bending and Shadow Pavilion were concepts initiated last fall and made possible by a Research Through Making Grant from the college (Portico, Spring 2010).*
UM’s Ginsberg Center, Taubman College honored by Southwest Detroit Business Association for AmeriCorps, Urban Planning Service

This summer staff and faculty at UM’s Ginsberg Center for Community Service and Learning and the Urban and Regional Planning Program received The Clark Street Award for Public Investment from the Southwest Detroit Business Association (SDBA) for outstanding service and partnership.

The SDBA presented the award for the placement of UM AmeriCorps students and the number of projects completed by the college’s capstone course on behalf of the SDBA. Urban planning faculty members, including Margaret Dewar, Larissa Larsen, and Eric Dueweke, managed urban planning students’ planning projects on the SDBA’s behalf that helped Southwest Detroit businesses, non-profits and residents create a better community.

“The research by UM’s AmeriCorps volunteers and the urban planning students have helped us realize what is possible in our community,” said SDBA president Kathy Wendler. “With their input, we could explore new options that we may have wondered about, but didn’t have the resources to pursue. They helped us envision what could be, so we can make it happen.”

Research on ways to reduce vehicle pollution through the use of increased vegetation; perspectives on ways to increase benefits from a new international crossing over the Detroit River to Canada; and ways to design neighborhoods to increase residents’ satisfaction have been conducted by urban and regional planning faculty and students on behalf of the SDBA.

“The possibilities to affect change in Detroit are endless,” said Dewar, urban planning professor and former Ginsberg Center faculty director, who helped maintain the relationship with the SDBA.

Urban Planning Students, Faculty Recognized by Michigan APA at Conference for Detroit’s Brightmoor Neighborhood Land Use Plan

Michigan Association of Planning (MAP) recognized a team of Taubman College urban and regional planning alumni for their land use recommendations for Detroit’s Brightmoor area at the MAP annual conference Oct. 20, 2010, in downtown Detroit. The plan, entitled, “A Land Use Plan for Brightmoor,” was created winter semester 2008, and since then, many of the recommendations have been used.

Professor Margaret Dewar and Lecturer Eric Dueweke accepted the award on behalf of the student team that created the plan, which was written as part of a capstone course, taught by Dewar and Dueweke.

The purpose of the land use plan was to guide decisions about land reuse and development in Brightmoor, Detroit, taking into consideration residents’ needs, market forces, current land uses and existing infrastructure. The plan identified five planning areas: residential areas to reinforce, residential areas to revitalize, residential areas ready for reinvention, parks and retail. Each of these areas has a set of strategies to reach goals developed with the residents and leaders of Brightmoor.

Many organizations and the Detroit mayor’s office took particular interest in helping Brightmoor succeed. The Skillman Foundation designated Brightmoor as a Good Neighborhood; Detroit Local Initiatives Support Corporation identified Brightmoor as a Strategic Investment Area; and the City of Detroit chose Brightmoor as one of six focus areas for the Next Detroit Neighborhood Initiative.

Five Fellows: Full Scale is the culmination of the University of Michigan Taubman College of Architecture and Urban Planning’s 2009-2010 Architecture Fellows design and research work. In the fall of 2009 the fellows purchased a house in Detroit for their individual design research and in the spring of 2010, displayed their research during an exhibit and two open houses at the house on 13178 Moran St., Detroit, for students, alumni, and the community. The fellows’ research was covered in Time Magazine’s The Detroit Blog (April 26, 2010), FastCompany.com (May 27, 2010), and The Architectural Record (May 20, 2010). For more about the research: taubmancollege.umich.edu/5fellows.
Taubman College M.Arch. Ranked #1

Taubman College’s M.Arch. program was named the number one graduate architecture program in the country by DesignIntelligence, which began ranking architecture programs in 2004. The rankings, released Nov. 1, 2010, in the Architectural Record, are based on the hiring experience of firms surveyed and assess the preparedness of recent graduates in a range of vital skills. Survey participants were asked which collegiate architecture programs (undergraduate or graduate) are strongest in each skills category. According to the article, “Among students who took a separate DesignIntelligence survey, 90 percent of University of Michigan attendees indicated a belief that they’ll be well prepared upon graduation, with 96 percent giving the quality of their program an A (excellent) or B (above average).” DesignIntelligence also named Dean Monica Ponce de Leon a top 25 professor and education leader.

Note: University of Michigan offers a B.S. in architecture. DesignIntelligence only ranks the B.Arch. programs. Thus, UM’s undergraduate program is not eligible for ranking consideration.
On Theme and Technique

This issue of Portico is dedicated to the theme of “technique.” This reflects the inauguration of a series of term-length themes to which the college will devote its collective attention. So far, this manifests most explicitly in this issue, and in the organization of the fall 2010 lecture series, also called “Technique.” The idea behind the introduction of such a framework is not to make every aspect of the school conform to a single direction, but to have the themes act as a framework is not to make every aspect of the school called “Technique.” The idea behind the introduction of such themes to which the college will devote its collective realization of aspiration is first and foremost an issue of how.

This shift can also be understood in terms of the ways in which questions of what have been supplanted by questions of how in the making, thinking, and exploration of the possible—that is, design. The lecture series picks up this issue, positing “Technique,” both architectural and urban, as the means by which the elaborations between cause and effect are mediated. Perhaps best reflected in the Future of Technology Conference (which is constitutively tied to the idea of techniques) staged at the school this term, the realization of aspiration is first and foremost an issue of how.

— John McMorrough, Architecture Program Chair
Future of Technology

The Future of Technology Conference invited critics, designers, practitioners, and academics to speculate on issues facing technology and development. Speakers addressed topics such as Digital Publics, Technology of Empowerment, the Nature of Technology, and Smart Technology, resulting in a cross-disciplinary dialogue as well as considered reflection on the past as well as the future.

Speakers including Julian Bleeker, co-founder of Near Future Laboratory and designer at Nokia Design, and Anna Dyson, Program Director and Associate Professor at Rensselaer Polytechnic Institute School of Architecture, acknowledged the multiple and potentially parallel futures of technology. Dyson reflected on energy flow, understanding the effects of actions and coexistence with materials in a material society. How we create environments will be different than what we’ve done in the past.

Leah Buechley, High-Low Tech Research Group Director at MIT’s Media Lab, examined how gender is a factor in technology use and development, noting that out of the 2008 Bachelor of Science degrees awarded to women, lower percentages were in technology-related fields: 11 percent computer science; 9 percent computer engineering; and 12 percent electrical engineering. Buechley experimented with Arduino technology, an open-source electronics prototyping platform, mainly used by men. Utilizing Arduino, she designed LilyPad Arduino, a toolkit of electronically-conducted thread to embed electronics and computation into clothing. The result: LilyPad’s technology users are 65 percent women.
An example of technology’s ability to solve societal problems was presented by Amos Winter, MIT’s Mobility Lab Director, who explored open-source technology in the most rudimentary way: rugged-terrain wheelchair creation. According to Winter, 20 million people who need a wheelchair don’t have one, and 70 percent live in rural areas. His research and design, first tested in East Africa, evolved into a chair that acts as “a mountain bike for your arms.” The chairs are designed to be made and repaired in the developing world using locally-sourced materials and tools.

Our formerly private space has become public through social media, and we as a society are choosing this as a reality, contended UM School of Information Dean Jeffrey MacKie-Mason. He noted that Facebook has grown to more than 500 million users, which based on its population, would make it the third-largest country. “In the future, all space will be public and social media enabled the explosion,” said MacKie-Mason. “By participating in social networking, we are volunteering to live our lives in public.”

Technology continues to foster and enable human possibilities in all forms, acknowledged Associate Professor John Marshall. “Knowing how to use a screwdriver and duct tape is just as important as knowing how to use robots.”

The Future of Technology conference, the third in a series, was held Sept. 24-25, 2010, at Rackham Auditorium. For more/to view videos: taubmancollege.umich.edu/futureoftechnology
Faculty Architecture Exhibits

SCHAFLER@25 at Pratt Institute Exhibit:
Professor Emeritus Gunnar Birkerts and Professor Douglas Kelbaugh are participants in the exhibit, SCHAFLER@25, on the topic of “The Energy of Light,” which was an original exhibition at Pratt in 1986. The show is a retrospective of original work, along with new sustainability projects by participants. Kelbaugh’s presented work includes an unbuilt LEED Gold mosque he designed in Dubai.

Evolutive Means at The Cooper Union:
Oct. 21-24, 2010
Assistant Professor McLain Clutter and Mark Linder (CLEAR) exhibited, “Onondaga Creek: Virtual Communities,” during Pratt Institute’s 2010 ACADIA’s Evolutive Means exhibit, hosted at The Cooper Union. The project used Syracuse, NY’s Onondaga Creek and its surrounding environment to explore the use of GIS to concretize latent virtual communities in shrinking cities.

Rare Breeds + Extinct Species at Rensselaer Polytechnic Institute: Oct. 4-18, 2010
Associate Professor Perry Kulper’s exhibit showcased his development for architectural drawing, both conventional and augmented, toward alternative spatial possibilities.

Trouble in Paradise/The Ethics of Survival at Kyoto, Japan’s National Museum of Modern Art; July 9-Aug. 22, 2010
“Tea House for Robots (THR_33),” which imagined that as appliances become smart the way we live and think of them will change, was exhibited by Associate Professors Craig Borum, Karl Daubmann and John Marshall. The tea house structure conforms to the traditional dimensions of a Japanese Tea House, 9’ x 9’ x 6’. The space provides a series of interactions between user and space, and space and robots, which have unique traits, behaviors and interactions.

“Tea House for Robots (THR_33)”
Faculty Speaking Engagements

November 2010

Dean Monica Ponce de Leon participated on a panel at the Territories of Urbanism: Urban Design at 50, a symposium at the Harvard University Graduate School of Design and lectured at UM Hatcher Graduate Library on the design of the Rhode Island School of Design library, focused on how digital fabrication technology makes design more inclusive.

Professor Jonathan Levine and Assistant Professor David Bieri spoke at the 57th Annual North American Meeting of the Regional Science Association International. Levine’s panel addressed accessibility planning; Bieri’s panel discussed inflation, prices and income.

Lydia M. Soo, Associate Professor, participated in the symposium Cultural Landscapes, sponsored by the Mellon Centre for Studies in British Art and the University of York Department of History of Art in York, England. Her paper is entitled “The Architecture of ‘the East’ in the Restoration Cultural Landscape.”

Associate Professor Peter von Buelow co-presented at the International Association for Shell and Spatial Structures Symposium 2010 in Shanghai, China, on the topics of “Performance-based design of SolSt; a roof system integrating structural morphology and solar energy transmittance” and “Folded plate assemblies with branching column supports—interaction and control of overall shape.”

Amy Kulper, Assistant Professor, presented a paper, “Walking on Air: Architecture’s Immaterial Imagination,” in Scotland at St. Andrew’s University at the The Material Imagination from Antiquity to Modernity Conference.

Chair John McMorrough and Lecturer Christian Unverzagt participated in the Envisioning Organization: Architecture + Information Conference at Ohio State University’s Knowlton School of Architecture. The panel discussed how visuals help to brand and structure new identities.

October

Dean Ponce de Leon, along with nine architecture faculty members from the college presented at the October 2010 ACSA West Central Fall Conference, Flip Your Field, hosted by Chicago’s University of Illinois School of Architecture. Additional college presenters included: Architecture Chair John McMorrough; Assistant Professors McLain Clutter and Steven Mankouche; Lecturers Ellie Abrons, Meredith Miller, Thom Moran, Catic Newell and Rosalyne Shieh; and Sanders Fellow Jesse LeCavalier.

“Remaking the City after Abandonment: Lessons from Detroit,” was presented by Professor Margaret Dewar, at Columbia University’s conference entitled, Shrinking Cities, Smaller Cities: Modern Crisis or New Path to Prosperity? Can Smaller Be Better? Additionally, Dewar, along with June Manning Thomas, Centennial Professor, organized two sessions at the Association of Collegiate Schools of Planning Conference in Minneapolis. The sessions were focused on the book they are editing, entitled, Cities after Abandonment.

Professor Robert Fishman was a featured speaker at the symposium Jews and the American City, sponsored by the Feinstein Center for American Jewish History, at Temple University to mark the opening of the new National Museum of American Jewish History (Polshke Partnership Architects) on Independence Mall in Philadelphia.

Professor Doug Kelbaugh and Associate Professor Roy Strickland spoke at the International Making Cities Livable Conference in Charleston, S.C. Kelbaugh discussed Dubai and related work. Strickland discussed integrating community and school design and used Thurgood Marshall Academy Lower School/Annie G. Newsome Head Start Center in New York City, which he designed with Platt Byard Dovell White Architects, as the example. The 450-seat building is scheduled to open in 2013.

Associate Professor Larissa Larsen participated on a panel entitled, “How Everyone Can Eat Well—Planning and Community-Based Food,” at the Michigan Association of Planning (MAP) annual conference in downtown Detroit.

Assistant Professor McLain Clutter spoke at Formerly Urban: Projecting Rust Belt Futures, a conference held at Syracuse University School of Architecture. Clutter’s talk, “Cleveland: MEDIPLEX CITY,” speculated on ways that urban hospitals may be leveraged to produce new types of urbanism.
Lecturer Craig L. Wilkins spoke on housing at the Architecture for Change Summit at University of Illinois at Chicago. The summit featured the work of affordable housing advocates and discussed how design, policy, and new development practices can help alleviate the affordable housing crisis.

September

Professor Martin Murray participated in a workshop on Mid-sized Cities in Sub-Saharan Africa: social, cultural, economic and ecological challenges and opportunities, at the University of Erlangen, in Erlangen, Germany.

Associate Professor Peter von Buelow co-presented on the topic of “Performance-oriented design of large passive solar roofs: A method for the integration of parametric modeling and genetic algorithms” in Future Cities, at the Cumulative Index of Computer-Aided Architectural Design Conference in Zurich, Switzerland.

Summer (May-August)

Robert Marans, Emeritus Professor and Research Professor, ISR, spoke at the Architects and Change Conference in Bursa, Turkey. His talk, “Facilitating Sustainable Behavior: A Potential Role for Architects in Combating Climate Change,” was based on his work with UM’s campus integrative assessment. Marans also participated in a panel discussion at the EDRA conference in Washington, D.C. on green building evaluation and presented a paper, “From Energy Conservation to an Integrated Assessment of Sustainability Practices: The University of Michigan Experience” at the International Association of People-Environment Studies Conference in Leipzig, Germany.

Professor Caroline Constant participated in a symposium honoring Princeton University School of Architecture Professor Emeritus Michael Graves as the 2010 Topaz Medallion recipient. Graves, who also received the 2001 AIA Gold Medal, is one of three Americans to ever receive both awards.

Professor Martin Murray was a discussant in a session titled “Political and Development Theories,” which explored themes revolving around African studies, national development, and state formation in post-colonial Africa and limitations of development, at the Celebrating Gavin Williams Conference held at the University of Oxford.

Funded by the Canada Council of the Arts through the 2009 Prix de Rome in Architecture, Associate Professor Geoffrey Thün and Assistant Professor Kathy Velikov presented recent design research and projections regarding the future of sustainable high-performance building design, at the Norwegian University of Science and Technology in Trondheim, Norway; the Iceland Academy of the Arts in Reykjavik; and the 2010 International Renewable Energy Conference in Yokohama, Japan.

Associate Professor Perry Kulper presented at the Towards a Creative Ethics of Design Conference at the ConnectED: 2nd International Conference on Design Education, University of New South Wales, Sydney, Australia.

Associate Professor Mojtaba Navvab presented lectures and workshops in Argentina at the University of Tucuman Light & Vision Center, Tucuman; the University of La Rioja, La Rioja; and the University of Mendoza, Mendoza. Topics included photometric evaluation of the exterior lighting with emphasis on mesopic levels and application of LEED on visual environment and ASHRAE standards 90s impact on building energy reduction strategies. He also presented a paper at the Technical University of Berlin on the application of the head related transfer function in room acoustic design using beamforming.

Roy Strickland, Associate Professor, gave the keynote address at GYODER (Association of Real Estate Investment Companies) Turkish Real Estate Summit in Istanbul. He spoke of post-World War II national planning in the United States as a model for Turkey’s development.

Andrew Herscher, Assistant Professor, presented “Inhuman Witnesses and Invisible Victims: Satellite Surveillance of Human Rights Abuses,” at University of Chicago’s Center for the Study of Race, Politics and Cultures Symposium on Spaces of Exception: Social Marginality and Racialized Inequalities in the 21st Century.
Faculty News

The American Institute of Architects honored Dean Monica Ponce de Leon at the annual convention in June for work on Boston’s Macallen Building. The Macallen Building was the first LEED Gold Certified building of its type in Boston. Fast Company Magazine recognized Ponce de Leon in their annual October issue dedicated to “Masters of Design.” Issue 149 acknowledged the Fleet Library, which she designed with Office dA partner Nader Tehrani “for the Rhode Island School of Design, which was made to be just as easy to take apart as it was to put together.”

Professor Douglas Kelbaugh returned to full-time teaching after a two-year leave in Dubai, where he was executive director of design and planning for an international development company, Limitless LLC, with a portfolio of mixed use, walkable and transit-served projects and satellite cities. While leading the architectural design, urban design, and urban planning of larger projects, he designed an unbuilt LEED Gold mosque in a transit-oriented development.

Professor Jonathan Levine was awarded a one-month scholarly residency at the Rockefeller Center in Bellagio, Italy. The Rockefeller Center fosters cross-disciplinary initiatives “to expand opportunities for poor or vulnerable people and to help see that the benefits of globalization are shared more widely.”

Mary-Ann Ray, Centennial Professor and principal at Studio Works, completed the construction of their design for the new 10,000 square foot Armenian Cultural Foundation Community Youth Center in Glendale, Calif. She is working with the Virtual World Heritage Laboratory and University of Virginia’s Institute for Advanced Technology in the Humanities on the “Digital Hadrian’s Villa” project which will include a digitized GIS-based archive of their ten years of research and documentation of the villa. Ray's publications include essays in the Chinese journal T+A: Time and Architecture, Lotus International No. 141 and a chapter in Distributed Urbanism: Cities After Google Earth, edited by Gretchen Wilkins. Ray is also serving as an advisor for the Fourth Gwangju 2011 Design Biennale in South Korea.

Harry Giles, Professor of Practice, was awarded $200,000 from UM and Shanghai Jiao Tong University (STJU) for leading a collaborative team of researchers including Associate Professor Moji Navvab, engineering faculty, and additional researchers based at STJU in China. The team is working to develop and manufacture a net-zero, energy-efficient prototype facade for buildings.

The American Collegiate Schools of Planning presented the Chester Rapkin Award for the Best Paper to Associate Professor Joe Grengs, Professor Jonathan Levine and doctoral student Qingyun Shen, with Qing Shen (University of Washington professor) for their paper entitled, “Intermetropolitan Comparison of Transportation Accessibility: Sorting Out Mobility and Proximity in San Francisco and Washington, D.C.”

Associate Professor Amy Kulper was named the 2010-2011 Steelcase Research Professor at UM’s Institute for the Humanities. Kulper’s research will consider the role of the scientific laboratory in shaping the experimental legacy of the discipline of architecture. She will serve as an editor for the Journal of Architectural Education until 2012.

Associate Professor Jason Young’s essay, the “Density of Emptiness,” was published in Distributed Urbanism: Cities After Google Earth, edited by Gretchen Wilkins.

In June, Assistant Professors Anca Trandafirescu and Glenn Wilcox’s Triangular Blooms, a project for a thin shell vault
composed of over 500 different plywood and steel elements, was recognized as a top ten project in the 10UP! National Architecture Competition, sponsored by the Young Architects Forum Atlanta.

Assistant Professor Robert Adams’ project, The Asclepius Machine: Genetic Diversity and Extreme Urban Euphoria was a finalist in the Seoul International Design Competition, Design For All. The objective of the project is to reconfigure cultural codes through architecture and interactive structures for people across diverse abilities. Adam’s article, “Non-Identical Twins and Spatial Splinters,” investigating the relationship between a Soviet-style housing block, Qing Shui Yuan, adjacent to a new linked hybrid housing project, was featured in *Time + Architecture*.

Lecturers Ellie Abrons and Adam Fure were awarded six-month residency fellowships at the Akademie Schloss Solitude in Stuttgart, Germany, starting in January. The program combines the idea of an academy for scientific and artistic exchange with that of a retreat. Abrons and Fure will be collaborating with composer Ashley Fure to create a full-scale interactive installation on the grounds of the Akademie.

Lecturer Eric Dueweke was elected to a three-year term on the Michigan Association of Planners Board of Directors.

Lecturer Jennifer Harmon (M.Arch.’05) was recently awarded a MacDowell Colony residency, along with the first Graham Foundation Fellowship in architecture. Harmon was awarded the residency fellowship for her project Fabrications of Place, which is a “derivative body of work” of her architectural thesis.

Lecturer Craig Wilkins was awarded a $25,000 2010 Kresge Artist Fellowship, by the Kresge Foundation, for his work as a creative non-fiction writer. This is the second year of the program for the awards devoted exclusively to Detroit artists and represents the foundation’s unwavering support for artists living and working in its hometown.

PERISCOPE, a 45-foot tall inhabitable installation, was named the winner of the 10UP! National Architecture Competition in June, sponsored by the Young Architects Forum Atlanta. PERISCOPE was designed by Lecturer and Fab Lab Director, Wes McGee, and Brandon Clifford, along with Visiting Professor Dave Pigram, Lecturer Maciej Kaczynski and Matt Johnson. The tower was constructed within 24-hours from recyclable expanded polystyrene, cut into 500-plus unique blocks. The work was featured in *Monitor #67* and was presented at the *Input:Output Symposium* at Temple University.
In Brief

Urban Planning Chair Richard Norton
In 2003, Edith Kyser, a property owner in Kasson Township, Mich. (about 30 miles west of Traverse City), asked the township to rezone her property to allow gravel mining. The Township Board refused because her property was located outside of a gravel mining district it had created several years earlier after extensive study and master planning. She won her case in Leelanau County Circuit Court because of an adjudication rule the Michigan Supreme Court had adopted in the early 1980s effectively making mineral extraction a ‘preferred land use.’ In appealing this decision to the Michigan Court of Appeals, the township attorney asked the American Planning Association (APA) and the Michigan Association of Planning (MAP) to file an amicus curiae (or ‘friend of the court’) brief in support of the township because of the extensive planning efforts the township had taken to support its zoning decisions. Chair Richard Norton co-authored the brief on behalf of APA/MAP, and authored subsequent briefs on the same case as it went to the Michigan Supreme Court on appeal.

This summer, in a significant decision, the Michigan Supreme Court reversed its 1982 ruling, eliminating preferential status for gravel mining when Michigan courts review local zoning decisions. In reaching its decision, the court adopted key arguments made by Norton, the township, and others. Norton published several short articles regarding this decision in Michigan planning publications, and presented this case at MAP’s annual conference in Detroit. He will present the case at the APA national conference in Boston, April 9-12, 2011. Norton also filed an amicus curiae brief with the Michigan Court of Appeals on behalf of MAP last summer in support of the Michigan Department of Natural Resources and Environment regarding a shoreline management dispute on Lake Michigan. He used research he conducted on Great Lakes shoreline management issues in collaboration with UM’s Naval Architecture and Marine Engineering Program.

Assistant Professor Claire Zimmerman
Neo-avant-garde and Postmodern: Postwar Architecture in Britain and Beyond
November 2010: Yale University Press
Edited by Mark Crinson, Art History Professor, University of Manchester, UK; Claire Zimmerman, Art History and Architecture Assistant Professor, UM Taubman College

The neo-avant-garde and postmodern movements have long been understood in terms of their re-working of modernism and a narrative emphasizing rupture and new beginnings. Compelling continuities between the two, especially in postwar Britain, suggest that a new account is needed. This collection of provocative essays discusses the work of architects and their associates, including Alice and Peter Smithson, Robert Venturi and Denise Scott Brown, James Stirling, James Gowan, Eduardo Paolozzi, Leon Krier, Allan Greenberg, Reyner Banham and Charles Jencks, and explores why the debate over postwar modernism was especially vocal in Britain.

Essays examine such topics as Brutalism, pop architecture, 1950s London, the legacy of Mies van der Rohe, housing, civic architecture, Italian neo-realism and changing alignments in theory and philosophy of the period. The essays focus on Britain, while looking beyond to Brazil, New Zealand and the U.S., expanding the discussion to include new kinds of internationalization that developed rapidly in the postwar period and set the stage for architectural developments today.
Promotions

**Joseph D. Grengs** was promoted to Associate Professor of Urban Planning, with tenure. He is an enthusiastic and highly regarded instructor. His public policy and transportation course serves a central function in transportation planning and has brought his critical research into the classroom. Grengs pursues a focused and coherent research agenda resulting in significant theoretical, methodological and empirical contributions to the field of urban planning and in the areas of urban spatial change, social equity, and transportation access in American cities. He has a strong record of acquiring research funding from diverse sources and has published five professional reports since his arrival at Taubman College. His research findings have a significant impact on urban planning theory and practice, and he has made contributions to understanding the role of accessibility in employment and related outcomes in a way that may positively affect public policy.

**Larissa S. Larsen** was promoted to Associate Professor of Urban Planning, with tenure. She is an exceptional teacher who has been selected by students three times for the outstanding teacher award. Thanks to her notable teaching strength, students in Larsen’s classes have received awards from organizations such as the Michigan Chapter of the American Planning Association, the American Society of Landscape Architecture (ASLA) and the Michigan Chapter of the ALSA. Larsen’s scholarly work is highly interdisciplinary, collaborative, and innovative. Her research has centered on relationships among land use patterns, built urban forms and environmental impacts, particularly in the context of social and environmental justice.

**Mireille Roddier** was promoted to Associate Professor of Architecture, with tenure. Roddier is an energetic and effective studio teacher at the undergraduate and graduate levels. This speaks to her versatility in conveying a full range of conceptual and speculative subject matter. As a designer, Roddier’s work has been conducted in collaboration with Keith Mitnick and Stewart Hicks, her partners in the design firm MRH. They completed one built house, one permanent garden pavilion and several temporary garden installations. In 2005, MRH was one of ten design firms selected by *Architectural Record* for the annual feature “Design Vanguard” and in 2004 they were selected as one of six firms in the annual Young Architects Forum of the Architectural League of New York. Roddier developed her book, *Lavoirs: Washhouses of Rural France*, from work done as the recipient of the Gabriel Prize, awarded by the Western European Architecture Foundation.
New Faculty

David Bieri, Assistant Professor of Urban Planning. Bieri’s main research and teaching interests are in urban and real estate economics, public finance and economic geography, in particular the analysis of locational sorting, the relationship between non-market interactions and interregional transfers and regional price levels. His research includes spatial features of competitiveness and local economic development within the broader context of a globalized economy. He also pursues research on regulatory aspects of international finance, focusing on the increasing financialization of real estate markets and institutional issues in international development. From 1999 until 2006, Bieri held various positions at the Bank for International Settlements (BIS) in Basel, Switzerland, most recently as the Adviser to the CEO. He received his Ph.D. from the School of Public and International Affairs at Virginia Tech. He holds a M.Sc. in corporate and international finance from the University of Durham (UK) and a B.Sc. (hons) in economics from the London School of Economics.

Suzanne Lanyi Charles, Assistant Professor of Urban Planning/ winter term. As an architect and urban planner, her research areas are real estate finance and development, the design of housing and urban environments, and sustainable urbanism. Charles received her Master of Design Studies with distinction from Harvard’s Graduate School of Design (GSD). She received her M.Arch. from Arizona State University and is completing her Doctor of Design from the GSD, expected in 2010. Her dissertation is entitled, "Suburban Gentrification: Residential Redevelopment and Neighborhood Change." Charles’ professional career has also been enhanced by her work at Booth Hansen, Gensler, Roth + Sheppard, and as an intern at the Renzo Piano Building Workshop. Along with suburban gentrification, her research interests include tear-downs and land values.

Lars Junghans, Assistant Professor of Architecture. His research interest is focused on ways to find an optimal solution for “passive” and “active” building design strategies evaluating ecological, economical and technical considerations. He also evaluates the applicability of sustainable building certification methods in different climate zones. He previously worked in software development for Baumschlager Eberle Architects which is known for high-quality sustainable architecture in all climate zones. Junghans has consulted on sustainable design strategies and HVAC for firms including Baumschlager Eberle, Kees Christiansen, Daniel Liebeskind, Burkhard Meyer, David Chipperfield and Crucowitz Nachbauer. He has worked on projects in Austria, Luxembourg, Germany, Switzerland, China, Hong Kong, Turkey and India. He holds a degree in architectural engineering from the Technical University of Braunschweig and his Ph.D. from the Swiss Federal Institute of Technology ETH was focused on façade systems in different climate zones. He was a post-doctoral fellow at UC Berkeley.

Sean Vance, Assistant Professor of Architecture. Vance previously served as North Carolina State’s Center for Universal Design director. Under his leadership, the center expanded its focus on housing and product design to include urban environments and public spaces. His research has focused on the impact of design in the development of standards and policies to enable people with disabilities the use of products and built environments. He is the principal of Sean Vance Architecture, and has worked for architectural practices, including Centerpoint in North Carolina and BHDP in Cincinnati. He serves as a member of the North Carolina Board of Architecture. Vance received his B.Arch. from the University of Tuskegee and a M.Arch. from North Carolina State University.
2010-2011 Architecture Fellows

**William Muschenheim Fellowship: Nahyun Hwang** holds a bachelor’s degree in architecture from Yonsei University, Seoul, Korea, and a M.Arch. from the Graduate School of Design at Harvard University. She was a senior associate at James Corner Field Operations, and the lead project designer and manager for the High Line before her appointment at Taubman. Prior to joining Field Operations, she practiced as an architectural and urban designer at Stan Allen Architects, Herzog & de Meuron, OMA/Rem Koolhaas and at the studio of Rafael Moneo. Her experiences include a range of architectural and urban design projects such as the Walker Art Center expansion in Minneapolis with Herzog & de Meuron; “La Reserva” housing prototypes in Chile, Santiago, with Stan Allen; the Dallas Arts District Master Plan and Dallas Performing Arts District and Dee and Charles Wyly Theater, Dallas, with OMA/Rem Koolhaas; and the Cathedral of Our Lady of the Angels, Los Angeles, with Rafael Moneo. Her work has also been featured in Harvard University’s publication Bugs, Fish, Floors & Ceilings: Luminous Bodies and the Contemporary Problem of Material Presence (2000), among others.

**Willard A. Oberdick Fellowship: Irene Hwang** holds an M.Arch. degree from Harvard University’s Graduate School of Design and a bachelor’s degree in international relations and art history from the University of Pennsylvania. Having worked in San Francisco, Hong Kong, Boston, and most recently in Madrid and Barcelona, Hwang’s professional background includes work with the architecture offices of Rafael Moneo, Rojo-Fernandez Shaw, OAB (Carlos Ferreret), and Brand Allen. For the past four years, she has been an editor with Actar Publishers and has published independently in both the United States and Europe. As an extension of her editorial work, she has co-curated the inaugural exhibition of the new Design Hub of Barcelona and is currently developing the museum’s first book. Parallel to her professional practice, Hwang’s academic work has included studio teaching throughout her studies at the GSD, and she has been a guest professor at the UIC (University Internacional de Catalunya).

**Walter B. Sanders Fellowship: Jesse LeCavalier** is an architect with degrees from Brown University and the University of California, Berkeley. He is currently pursuing a doctoral degree on retail logistics and urbanism at the Swiss Federal Institute of Technology, Zurich, where he has taught design studios and research seminars. He has also taught architectural design at the American University of Sharjah and at Oberlin College in Ohio. LeCavalier spent two years working at agps.architecture and was involved with the design of the Portland Aerial Tram and the new Children’s Museum of Los Angeles. He is a co-author of the publication This Will _ This and has contributed to Cities of Change: Addis Ababa, Deviations: Designing Architecture, Places, 306090 13, archithese, Architecture & and MONU.
Honor Roll Fall 2010

Our fall issue of Portico recognizes the support, time and guidance provided by our alumni and friends; critiques to make us better; energy to make us stronger; and financial resources to enrich and support our students and programs. For the first time, in an effort to connect our faculty and staff with alumni, friends and potential students, we are taking Taubman College on the road so we can hear directly from you, and share more about the college with you. Our first stop was in Chicago on Oct. 21. It was heartening to see so many college advocates and hear firsthand what you are doing in your professions and where you see the fields heading. We will be planning another event soon and I hope you will join us if it is in your neighborhood. — In continued gratitude, Dean Monica Ponce de Leon

2010 Class Gift

Members of the class of 2010 worked together and raised funds to enable the creation of a shared space in the building to encourage social and academic collaboration and build community across programs. While other classes have engaged in class gift initiatives, the 2010 gift is the first to involve undergraduate and graduate students across all three programs—architecture, urban planning, and urban design. Their vision was to leave a legacy for future students that will inspire and sustain an interconnected community. Dean Monica Ponce de Leon pledged to match all contributions.

Student teams competed in a two-phase competition to design a journal rack for a reading/conference room in the building. The final schemes were judged by a faculty jury comprised of Caroline Constant, June Manning Thomas, and Mireille Roddier and scored on the basis of beauty, functionality, sustainability, maintenance, and costs.

The winning scheme was designed and constructed by a team of graduate architecture students: Ngoc Thy Phan, Tom Lee, Andrew Norskog, Kris Walters, and Rachel Piazza.
honor roll

Scholars and Patrons Brunch

Each year at the Scholars and Patrons event we celebrate the generosity of our donors and the excellence of our scholars. Through generous gifts, Taubman College patrons make a lasting impact in the lives of student recipients. To all who contribute, thank you for your confidence in the college and its students. This year, the brunch took place at Rackham Graduate School on Sept. 26. Speakers included Dennis King, FAIA (B.Arch.’69), on behalf of the Harley Ellis Deveraux Scholarship; Leonard Siegal (B.Arch.A.E.’50), on behalf of the merit scholarship created by his family in his name; and Elizabeth Vandermark, doctoral student who is the current holder of the Nathan and Marilyn Levine Architectural Research Fellowship.

Professor Emeritus Norman Barnett and Beverly Baker, widow of Morris Baker (B.Arch.’52)

Leonard Siegal (B.Arch.A.E.’50)

Annual and endowed scholarships, as well as those "under construction":

A. Alfred Taubman Scholarships
AIA Huron Valley Scholarships
AIA Michigan Architectural Foundation Scholarship
Alan C. and Cynthia Reavis Berkshire Scholarship
Albert Kahn Associates Fellowship
Albert Kahn Undergraduate Scholarship
Architecture Alumni/ae Scholarships
Architecture Program Merit Scholarships
Arthur C. Tagge Scholarship
Centennial Travel Awards
Charles W. Atwood Memorial Scholarship
Charles Ward Seabury Research Fellowship
Charlotte Strosberg Merit Scholarship
Clarence L. and Ruth M. Roy Scholarship
Colin Clopson Memorial Fellowship
David J. and Carole N. Metzger Scholarship
Doctor of Architecture Fellowships
Donald F. White Memorial Fellowship
Emmanuel-George Vakalò Fellowship
Eugene T. Cleland Scholarship
Galvanize the Future Scholarship
Gaylord and Roberta Watts Architectural Awards
Genevieve Hofner Scholarship
George G. Booth Traveling Fellowship
Glenn G. Mastin Scholarship
Gordon Euker Scholarship for International Study/Travel
Guido and Elizabeth Binda Scholarships
Guido and Elizabeth Binda Travel Awards
Harley Ellis Devereaux Undergraduate Scholarship
Harvey F. Hoeltzel Memorial Scholarship
Herbert W. and Susan Johe Scholarships
Howard and Judith Sims Scholarship
Hubert W. and Ann Van Dongen Student Aid Awards
Irving A. and Shirley Fader Scholarship
James A. van Sweden Scholarship
James B. and Christine L. Newman Scholarship
James C. J eas Fellowship
James J. Sficos Scholarship
James William Kidney Scholarship
Jason M. Longo Scholarship
Joan and Calvin Jay Tobin Scholarship
Joseph and Elsa Lee Scholarship
Justin Henshell Scholarship
Ketai Family Scholarship
King and Frances Stutzman Scholarship
Leann and M. Allain Scholarship
Leonard D. and Jean Kersey Scholarship
Leonard G. Siegal Merit Scholarship
Lester Fader Memorial Scholarship
Letty Wickliffe Memorial Award
Linn and Grace Smith Memorial Scholarship
Livingstone H. Elder Scholarship
Louis C. and Ruth R. Redstone Scholarship
Louise Johnson Baldwin Scholarship
Marvin and Sylvia Neivert Scholarship
Masonry Institute of Michigan (MIM) Scholarship
Morris D. Baker Scholarship
Nam Scholarships
Norbert H. Gorwic Scholarship
Peter and Helen Tarapata Scholarship
Robert and Bettie Metcalf Architecture Fellowship
Samuel Jacob Muhlfelder Scholarship
Schafer Family Scholarship
SmithGroup Inc. Scholarship
Stanley J. and Margaret W. Winkelman Scholarship
Theodore G. Balosin Award in Architecture
Thomas A. Langius Scholarship
Thomas Brooks Brademas Awards for Community Service
Tower Pinkster Titus Scholarship
Urban and Regional Planning Alumni/ae Scholarship
Victoria J. Lentz Memorial Scholarship
Virginia R. and H. Sanborn Brown Prize
Walter B. Sanders Scholarship
Ward Squires Disabled Student Award
Wheeler Family Memorial Scholarship
Willard A. Oberdick Scholarship
William J. Scott, Jr. Memorial Scholarship
William R. and Leigh Gustafson Scholarship
Taubman Scholars

The endowment that provides the Taubman scholarships was created in 1999 with the transformative naming gift from benefactor and namesake, A. Alfred Taubman. The gift is the largest ever to a school of architecture and planning. The endowment has supported 835 students, including the 43 scholars this year. On Nov. 5, the 2010 Taubman Scholars gathered to thank Mr. Taubman at a brunch at the Lurie Engineering Center. The exceptional gift from Mr. Taubman makes a lasting difference in the lives of the student recipients. This merit-based aid is an expression of confidence in the students, a belief in their abilities to make a difference, and recognition that provision of support is a sound investment in our collective future.
40s-1960s

Justin Henshell, FAIA, FASTM
B.Arch.A.E.’49
was presented the William C. Cullen Award for his outstanding contributions to the industry by the ASTM Committee D08 on Roofing and Waterproofing. Justin is principal and partner at Henshell and Buccellato Consulting Architects, Shrewsbury, N.J. Justin joined ASTM in 1976 and is an active member of both Committee DOS and Committee CIS on Manufactured Masonry Units. In 1995, he received ASTM’s highest recognition, the Award of Merit. In 2000, he was honored with its Walter C. Voss Award, and he also received a D08 Award of Appreciation in 2006. Justin is also author of The Manual of Below-Grade Waterproofing Systems and received RCI’s first William C. Correll Award in 2008.

Charles Correa
B.Arch.’53, Honorary Doctorate’79
designed the Champalimaud Centre for the Unknown in Lisbon, which strives to make crucial breakthroughs in the fields of neuroscience and cancer research. Charles was present at the centre inauguration ceremony in October along with the President of Portugal, Aníbal Cavaco Silva; Prime Minister José Sócrates; President of the Champalimaud Foundation’s Scientific Committee and Nobel Laureate, James Watson; and many other dignitaries and guests from around the world. The Centre includes laboratories for basic and clinical research, an ambulatory care centre, a vivarium, an auditorium, conference rooms, teaching facilities and an exhibition area. The research and teaching facilities will foster front line research, as well as post-graduate and doctorate programmes, and the diagnosis and treatment of neurological and cancer patients. To honor the historical relevance of the site—from where the famous Portuguese navigators departed in the 15th and 16th centuries—and to promote the relationship of the citizens with the sea and the “unknown,” the research centre will allow free public access to the waterfront through wide landscaped areas around its buildings.

James van Sweden
B.A.’60
was featured by the Cultural Landscape Foundation which launched its fifth online Pioneers Oral History. James, recipient of the 2010 American Society of Landscape Architects (ASLA) Design Medal, with business partner Wolfgang Oehme, formed the Oehme van Sweden firm, which designed landscapes for the Federal Reserve Board (Washington, D.C.), the New American and Friendship Gardens at the United States National Arboretum (Washington, D.C.), the World War II Memorial (Washington, D.C.), the Chicago Botanic Garden (Glencoe, Ill.), Nelson A. Rockefeller Park (Battery Park City, NYC), and hundreds of residential gardens across the country. In 25 separate segments totaling more than one-and-a-half hours (taped 2009-2010), James discusses his life, career, influences, philosophy and the creation of the New American Garden. For more visit tclf.org/pioneer/oral-history-project.

Dennis Jones
B.Arch.’66
presented a discussion about the value of obtaining a design education at Taubman College (October). He remains Associate Professor at the College of Architecture and Urban Studies at Virginia Polytechnic Institute and State University.

1970s

William Diefenbach, FAIA, LEED AP
B.Arch.’72
has been named office director of the San Francisco and Los Angeles practices of SmithGroup. Bill is nationally recognized
for his expertise in research laboratory planning and design. As San Francisco's research and learning studio leader, Bill influenced design and managed projects ranging from the award-winning Lawrence Berkeley National Laboratory Molecular Foundry to the California Institute of Technology's Broad Center for the Biological Sciences. He is currently serving as principal-in-charge on a number of projects including the Institute for Regeneration Medicine and the Cardiovascular Research Building at the University of California San Francisco. Both buildings are under construction and are expected to be completed later this year. Bill is a member of the SmithGroup Board of Directors and will retain those responsibilities.

Charles Rick Green, RA, FCSI, CCS, CCCA, LEED AP  
B.S.'74, M. Arch.'76
is the architecture operations manager with Wilson & Company, Inc., in Albuquerque. Rick has more than 30 years of experience with emphasis in the supervision of contract documents for numerous facilities and developments. He is responsible for the production and QA/QC of the company’s architectural projects and the management and performance of the company’s architectural staff. Rick is a Certified Construction Specifier (CCS), a Certified Construction Contract Administrator (CCCA), and a LEED Accredited Professional (LEED AP). He was selected to chair the Construction Specifications Institute’s (CSI) Uniform Drawing System Task Team and to serve on the steering committee of the National Institute of Building Science’s (NIBS) NCS Project Committee as part of an effort endorsed by CSI, the AIA, the federal government, and numerous other professional and industry organizations to establish the first U.S. National CAD Standard (NCS). In 2006, Rick was elevated to fellowship in CSI and in 2007 joined the NIBS National Building Information Model Standard (NBIMS) Project Committee. In addition to writing articles on the National CAD Standard, he has made numerous presentations to the AIA, CSI, A/E companies, colleges, and other professional organizations. He is recognized throughout the construction industry as one of the country’s leading authorities on construction documents and the NCS. His award-winning programs and workshops have won critical acclaim from attendees and in 2006 Rick co-authored an AIA book, The Architect’s Guide to the U.S. National CAD Standard.

Cynthia Pozolo, AIA, LEED AP  
B.S.'75, M.Arch.'76
has been elected to Albert Kahn Associates’ Board of Directors, where she has been since 1982. She was named vice president in 1997 and director of architectural development in 2004. During her tenure, Cindy has served as principal for several notable clients including GMAC and Aurora HealthCare. Her new role allows her to apply her broad experience base to guiding the overall direction of the firm.

Kristina Hensley Ford  
Ph.D.(UTEP)’76
is the author of a new book, The Trouble with City Planning published by Yale University Press. As director of planning for the city of New Orleans from 1992 until 2000, Kristina used these opportunities as a springboard for an eye-opening discussion of the intransigent problems and promising possibilities facing city planners across the nation and beyond. Kristina advances several planning innovations that, if adopted, could be crucial for restoring New Orleans, but also transformative to other citizens troubled by the results of their city’s plan. This keenly intelligent book is destined to become a classic for planners and citizens alike. In the immediate aftermath of Katrina, her thoughtful assessments—heard on CNN, the BBC, and National Public
Radio—became the first public voice of reason to mediate the great storm’s human and civic consequences. Her highly regarded study, *Planning Small Town America*, is used as a text in many graduate urban planning programs.

1980s

**J. Windom Kimsey, FAIA**
B.S.’83, M.Arch.’84
is president and principal of Tate Snyder Kimsey, with offices in Henderson and Reno, Nev., and Marina del Rey, Calif. Tate Snyder Kimsey is recognized as a leading design firm having received over 70 local and national design awards. A leader in sustainability specializing in the design of “green” buildings beginning with the renovation of their Henderson headquarters, the firm became the first to achieve LEED certified building status in Nevada. The firm was also recently named one of the top 50 architecture firms in the United States by *Architect Magazine*, ranking number 18.

**Jim VanderMolen, AIA LEED AP**
M.Arch.’84
and Steve Fridsma, M.Arch.’94 have merged their talents to create Elevate Studio, formerly known as Studio JVA. Previously at Progressive AE, they served as design leaders for the Goodwillie Environmental School in Ada, Mich., the nation’s first LEED-Certified school and the Rapid Central Station in Grand Rapids, Mich., the nation’s first LEED-Certified transportation facility. They created Elevate Studio to better design meaningful, resourceful, cost-effective and sustainable buildings. Their design philosophy, “Dignifying the Ordinary,” emphasizes resourceful and creative uses of readily available, durable, off-the-shelf materials, which led to a specialty of re-using existing buildings as worship facilities. Jim served as the designer for a glass mural at the new Grand Rapids Christian Elementary School and the “Fall of the House of Usher” set for Opera Grand Rapids, an interactive display for the Grand Rapids Children’s Museum. He served on the winning design team for the “Design for Humanity” competition for Habitat for Humanity, Grand Rapids Chapter. Jim is a recipient of the Young Architect Award from AIA Grand Valley.

**John Ronan**
B.S.’85
founder of John Ronan Architects and Assistant Professor of Architecture at the Illinois Institute of Technology in Chicago announced the publication of his firm’s new monograph *Explorations: The Architecture of John Ronan*, published by Princeton Architectural Press. In Chicago, there is a history of celebrating architecture as a building art—not merely a graphic one—where lofty rhetoric takes a back seat to clear-headed pragmatism. John’s decade-old practice has garnered critical praise and awards in recognition of its subtle integration of sustainable technology, spatial composition, and material detail. His beautifully simple spaces convey a recurring theme of adaptability and flexibility across multiple functions that, when activated by a specific use, do not deter from a holistic architectural intent. *Explorations* features 12 projects ranging in scale from private residences and adaptive renovations to large public buildings.

**Mark D. VanKerkhoff, AIA**
B.S.’86, M.Arch.’88
has been named director of the Development and Community Services Department for Kane County, III., 45 miles west of Chicago. Mark’s responsibilities include serving as the building officer, zoning officer, and heading up the 2040 update to Kane County’s 2030 Land Resource Management Plan. Mark has
worked for Kane County since 1995 and resides in an 1846 historic landmark farmhouse west of St. Charles, Ill., with his wife, Amy, and their four children.

1990s

Scott Matties, AIA LEED AP
B.S.’88, M.Arch.’90
is a principal at Cunningham | Quill Architects, a 23-person firm in Washington, D.C. The firm was recently recognized by Architect Magazine as one of the top 100 architecture firms in the country (ranking number 70), one of only two Washington-based firms to be recognized. Scott has been an active member of the board of directors for the AIA Northern Virginia Chapter, serving as second vice-president and chair of the Design Awards Committee. The 2010 Awards jury was based in Boston and included fellow alum Peter Kuttner, FAIA (B.S.’73, M.Arch.’74). Scott lives in Arlington, Va., with his wife Lala-Rukh Waqar Matties (M.Arch.’90) and their two children.

Benyamin Schwarz
Ph.D. Architecture ’92
was named a top 25 professor and education leader by DesignIntelligence. The 2011 Class of Education Role Models were selected by DesignIntelligence staff with extensive input from hundreds of design professionals, academic department heads, and students. He is a professor at University of Missouri, Department of Architectural Studies, and Journal of Housing for the Elderly editor.

Steve Fridsma, AIA LEED AP
M.Arch.’94
and Jim VanderMolen, M.Arch.’84 recently formed Elevate Studio (see VanderMolen, M.Arch.’84). Elevate Studio recently completed Christ Lutheran Church in Valparaiso, Ind., and Oak Park Christian Center in Pleasant Hill, Calif. They are currently working on 3MileProject in Walker, Mich.; Western Theological Seminary in Holland, Mich.; and churches in Adrian and Allendale, Mich. Steve taught a design studio course at Calvin College, where he also served as an exhibition curator and student advisor. He served on the winning design team for the “Design for Humanity” competition for Habitat for Humanity, Grand Rapids Chapter. Steve is a recipient of the Young Architect Award from the AIA Grand Valley Chapter.

Emily Meyerson, AICP
M.U.P.’95
received a professional development certificate in peace and conflict studies from the Rotary Peace Center at Chulalongkorn University in Bangkok, Thailand. Emily was honored to be chosen as a Rotary Peace Fellow and study in Thailand for three months with 21 other fellows from around the world. Emily intends to use the new knowledge to resolve conflicts at a local level and take a leadership role in creating better land use laws and healthier communities in Michigan.

Susana Arisso
B.S.’96
resigned her associate position after six years at Skidmore, Owings & Merrill last April to care for her newborn baby. This culminates her 10-year career in Washington, D.C. as an architect-planner. During that time she worked for SmithGroup and SOM, where she had the opportunity of leading projects sited along the Capital’s monumental core, including master plans for the Pentagon Reservation, National Institutes of Health, and Smithsonian National Museum of American History. She is now a homemaker in Washington D.C., hoping to work as an independent consultant. Samples of her work are on her website at wix.com/sarisso/PortfolioSusanaArisso.
Chris Knapp
B.S.’97
left Taubman College in 2004 as an architecture lecturer to oversee construction of the laser-cut plywood “Burst House” on the east coast of Australia. Designed by Douglas Gauthier and Jeremy Edmiston, the Burst House won the 2006 Royal Australian Institute of Architect’s house of the year and was re-built at the Museum of Modern Art in 2008 as part of the “Home Delivery” prefabricated housing exhibition. Chris is now a permanent resident of Australia, living on the north coast of New South Wales with his Australian wife, Belinda, and daughter, Ava. In 2009, Chris established the collaborative design firm Built-Environment Practice in Byron Bay, NSW, which tackles projects via the logic of formal instrumentality and sustainable performance. The practice is presently engaged in several high-end residences, an urban park, a church, and multi-family housing. Chris’ work was recently featured on the blog Muuuz and on the home page of Architizer. Chris can be reached via builtpractice.com.

Michelle (Calouette) Kruzel
B.S.’98, M.Arch.’02
just launched a new website and product, a perpetual calendar. The perceptual calendar marries two contrasting materials, a salvaged timber beam and colorful transparent acrylic tags. Each tag is unique to the day of the year and is simply toggled by hand each day. The perpetual calendar is made using a combination of digital production tools and handmade skills. It is assembled and hand-packaged at her studio in Michigan. For more information, visit her website calouette.com.

June Komisar
M.S.’00, Ph.D.’04
is Associate Professor in the Department of Architectural Science at Ryerson University in Toronto. She is co-curator (with Mark Gorgolewski and Joe Nasr) of Carrot City: Designing for Urban Agriculture, an exhibition of creative and research projects that demonstrate the possibilities of urban agriculture. Carrot City is a traveling exhibit that shows how the design of buildings and cities can enable the production of food in the city. It explores the relationships between design and urban food systems as well as the impact that agricultural issues have on the design of urban spaces and buildings. From Oct. 1-Dec. 15, Carrot City is part of the Living Concrete/Carrot City exhibition at Parsons The New School for Design in New York. For more, visit tinyurl.com/26ypca6.

Ryan Davis
B.S.’01
founded ADMG with fellow colleagues in October 2009 in Huntington Beach, Calif. ADMG is a commercial design firm currently transitioning to designer-led design build services. Ryan serves as one of the managing principals and director of construction for ADMG. He is the responsible managing officer and qualifier for ADMG’s construction operations. Current projects include a high-end restaurant, a luxury hospitality suite renovation, and a retail lifestyle center.

Alexander J. Fedirko
B.S./B.F.A.’03
is living in Chicago and pursuing his interest in painting. His oil paintings of Chicago from the top of the Sears Tower are included in New American Paintings, Issue 89, a juried exhibition-in-print of 40 painters, curated by the New Museum of Contemporary Art and The Art Institute of Chicago. For more, visit alexfedirko.com.
Nicole Eisenmann
B.S.’04, M.Arch./M.U.P.’09
is a designer at NORR in Detroit, and is part of the “Generation G” team there. Generation G, short for Generation Green, is a one-week lecture and studio program for students in the architecture/engineering curriculum at Cass Technical High School who are eager to incorporate sustainable design into their future careers as architects and engineers. Since the program began in 2008, NORR Detroit has introduced the Generation G students to concepts of sustainable design, green building materials and the LEED rating system. This year the program expanded to include urban planning and urban design concepts and an introduction to urban farming. Other Michigan alums on the NORR Generation G team are Steve Wilson (B.S.’06, M.Arch./M.Eng.’08) and Don Barry (B.S.’90, M.Arch.’92).

Kathleen (Mitchell) Hewitt
B.S.’04
and her husband Paul Hewitt (B.S.E.’03) welcomed their first child, a baby girl named Ashley Elizabeth on April 3, 2010. They write, “We are raising her to be a future Wolverine!” Due to a job transfer, they relocated from Minneapolis, Minn., to Houston, Texas in June 2010, where Kate will continue to work remotely for Gander Mountain in St. Paul as a senior store planner and brand manager.

Mashawnta Armstrong
B.S.’05, M.Arch.’08
recently launched MASH Magazine (mashmag.com), part of MASH MEDIA LLC. MASH celebrates modernity and the parallels between beauty, fashion, design, architecture, and urbanism. She was also profiled on the website iamyoungdetroit.com.

Jason Rostar
B.S.’05
is an architectural associate for Hooker/DeJong Architects and Engineers in Muskegon, Mich.. Jason and his wife Sarah have three daughters Kira, Alexis, and Mialee.

Theresa Scherwitz
M.Arch.’07

Jesse Fernandes
M.U.P.’10
has been awarded a Presidential Management Fellowship (PMF), a two-year post graduate fellowship with the federal government. The PMF program was established to attract the federal service outstanding men and women from a variety of academic disciplines and career paths who have a clear interest in, and commitment to, excellence in the leadership and management of public policies and programs. As a fellow with the Army Corps of Engineers, Jesse will be based in Alexandria, Va., but will travel around the country to regional Army Corps of Engineer offices and rotate through other positions within the agency.

Rachel Mensah
M.Arch.’10
is working for Design Collaborative, an architecture/engineering/interior design firm in Fort Wayne, Ind., as an architectural designer. Prior to receiving her M.Arch., she earned a B.S. in architectural studies from the University of Illinois at Urbana-Champaign.
Cohen, Hall, Howe, Lauer, Luther

Five Taubman College alumni played prominent roles in the Space Architecture session at the International Conference on Environmental Systems (ICES), meeting this year in Barcelona, Spain, July 11-15:


Ted Hall (B.S.’79, M.Arch.’81, Arch.D.’94), at UM’s UM3D Lab, organized the session and co-authored a paper with Mark Luther.

Scott Howe (M.S.’97, Ph.D.’98), at NASA’s jet Propulsion Laboratory, presented a paper titled “Dual Use of Packaging on the Moon: Logistics-2-Living.”

Chuck Lauer (B.S.’77), with Rocketplane Global, Inc., presented the paper “Design Aspects of Intimate Spaces—A Case Study in the Cabin Interior Design for the XP Spaceplane.”

Mark Luther (B.S.’81, M.Arch.’84, Arch.D.’95), at the School of Architecture and Building at Deakin University (Geelong, Victoria, Australia), presented a paper, “Exergy Applied to Lunar Base Design.”

In all, there were 18 papers in the space architecture session and 313 papers at ICES. All of the papers passed a rigorous international peer review before being accepted for publication and presentation at the conference. Following the conference in Barcelona, Ted, Scott, and Mark proceeded to Valencia where they helped lead a series of space architecture symposia at the Univerdidad Polittecnica de Valencia (UPV), the Instituto Valenciano de Arte Moderno, and the Universidad Católica de Valencia. At UPV, Scott and co-editor Brent Sherwood presented their book, Out of This World: The New Field of Space Architecture. The book’s 30 chapters include several by Marc, Ted, and Scott. For more about space architecture, visit spacearchitect.org.

Alumni Weekend Oct. 15-17, 2010

Distinguished Alumnus Award: Peter Kuttner, FAIA, (B.S.’73, M.Arch.’74)

Each year, in conjunction with UM’s homecoming weekend, Taubman College and the College’s Alumni Society Board of Governors pays tribute to its alumni with special events, including lectures, reunions, and plenty of food. In addition to celebrating its many accomplished alumni, the college honors one alumnus in particular with the Distinguished Alumnus Award. The honoree presents a lecture and an all-college lunch is hosted in their honor.

The 2010 Distinguished Alumnus Award was presented to Peter Kuttner. President of Cambridge Seven Associates, Kuttner synthesizes his leadership role with the design and management of a wide range of projects. Kuttner has been instrumental in forging the next generation’s collaborative spirit at C7A, bringing the firm’s wealth of experience to every client and project. His experience covers master planning, architectural, and exhibit design, with emphasis on complex museum and academic projects. Committed to the architectural profession in its many aspects, he represents New England on the Board of the American Institute of Architects, co-chairs the NCARB IDP Advisory Committee, chaired the Boston Foundation for Architecture, and serves on the Board of Overseers for the Boston Architectural College.
behind a marvelous and lasting legacy in both his professional and personal life. Carl died peacefully, surrounded by his family, assured by his faith, having left his family, banjo, and his Wolverines. He is survived by his family including his son and fellow alumnus, William T. Jarratt (M.Arch.’84).

Roger Clark Mills, Ph.D.’73, Los Altos, Calif., May 3, 2010. Born in Detroit, Roger attended Annapolis and Princeton before entering a multi-disciplinary doctoral program at UM combining urban planning with community psychology. Roger worked as an assistant to James Kelly of the National Institute of Mental Health, as executive director of one of the first federally funded community mental health programs in Eugene, Ore., and served as adjunct faculty at the University of Oregon. A grant from the National Institute of Mental Health to study the factors that contribute to mental well-being led to a period of great innovation. Roger’s work at the Modello housing project was recognized on “The Today Show” and in the book, Modello: A Story of Hope for the Inner City & Beyond. He wrote many articles and several books, including Realizing Mental Health and The Wisdom Within, co-authored with Elsie Spittle. Roger initiated community resiliency projects throughout the U.S. and co-founded with his daughter, Ami Chen Mills, the non-profit Center for Sustainable Change, with project sites in the Midwest, on the East Coast and Mississippi Delta.

Amy Ellen Polk, M.U.P./M.S.E.’92, Takoma Park, Md., April 29, 2010. Amy, wife and mother, community leader, transportation expert and avid dancer, as well as a graceful woman of strong opinions and fierce passion, died after being struck by a vehicle in Washington, D.C. She was a transportation research analyst with Citizant, a contractor to the U.S. Department of Transportation and a frequent presenter at international conferences on Intelligent Transportation Systems. In 2003 she received the “Young Engineer of the Year” award from the Washington D.C. section of the Institute of Transportation Engineers. Amy worked to increase the number of women who entered the transportation engineering field. She showed an early interest in community involvement in college when she helped organize the teaching assistants for better pay and working conditions. She was involved in the Silver Spring Unitarian Universalist Church, Takoma Park Elementary School PTA, Takoma Park Child Care Development Center, and League of Women Voters. Amy is survived by her husband, John Robinette, and two young sons, Adam and Bryan.

Carl D. Johnson, Professor Emeritus, Rio Verde, Ariz., October 24, 2010. Carl began his career in Dallas, Texas at Lambert Landscape Company in 1951 as a landscape architect and continued at Eichstaedt & Associates in Detroit. Carl’s brother, Bill, joined him in 1961 to found the firm Johnson, Johnson & Roy (JJR) with a mutual friend, Clarence Roy (B.S.L.A.’51). Carl was a commensurate artist and landscape was his canvas. He enjoyed painting landscapes as a hobby, but creating landscapes was his passion. He preached sustainability and was at the forefront of his field in designing landscapes that sought to further the special relationship between man and nature. He was a key designer for the restoration of Louisville’s Cherokee Park, designed by Frederick Law Olmsted, which was ravaged by a tornado. He restored a special residential landscape of Jens Jensen and adapted it to public use at the Lighthouse Landing Park in Evanston, Ill. For many years he directed the rehabilitation plan for the C.S. Mott estate. Carl was appointed to a professorship at UM in 1964. He spent 30 years teaching the site planning course required of all architecture students, lending his unique talents as a teacher and a landscape architect to over 1,000 students. In 2000, Carl was awarded the highest honor of his profession, the ASLA Gold Medal for his exceptional contributions to the field. Upon his retirement from JJR (1989), Carl moved to Rio Verde, Ariz., and launched a new venture of volunteer projects and consulting, working on designs for Christian organizations, and also worked on college-campus master plans. Friends and family of Carl knew him as creative and passionate: a veritable force of nature. He was devoted to his wife and his three daughters, his ten grandchildren and eight great-grandchildren. Carl died peacefully, surrounded by his family, assured by his faith, having left behind a marvelous and lasting legacy in both his professional and personal life.

Elizabeth Garry Hodgins, B.S.A.A.’41, Richmond, Va., April 21, 2010
J. Wesley Olds, B.S.A.A.’42, Okemos, Mich., April 27, 2010
Lloyd O. Krueger, B.A.A.’49, Mount Horeb, Wis., June 6, 2010
Maurice R. Merlau, B.A.A.E.’49, Waukesha, Wis., Aug. 12, 2010
James H. Goldammer, B.A.A.E.’50, Rochester, N.Y., April 15, 2010
Leonard H. Steinbrueck, B.Arch.’51, Oxnard, Calif., April 2, 2010
John D. Telfer, B.Arch.’51, M.C.P.’61, Marion, Ohio, June 1, 2010
William H. Cook, B.Arch.’52, Sonoma, Ariz., July 24, 2010
Charles H. Marks, B. Arch.’65, Royal Oak, Mich., Sept. 21, 2010
Donald C. Martell, B.Arch.’53, Maitland, Fla., Aug. 25, 2010
Leroy B. Miller, B.Arch.’56, Santa Monica, Calif., Aug. 20, 2010
John Farrow Reno, B.Arch.’63, Woodstock, Va., Aug. 23, 2010
Stephen A. Breinling, B.Arch.’66, Feb. 16, 2010
Guy M. Dobies, B.S.’73, M.Arch.’74, July 28, 2010
Last summer, James Chesnut (M.Arch.’11), Johnathan Puff (M.Arch.’10) and Nisha Patel (M.Arch.’11), along with engineering, anthropology, natural resources and business students, designed and constructed a school and community center in Porto Jofre, Pantanal region of Brazil. They developed the water and waste management system, a solar-paneled roof system and the building design. Chesnut, Puff and Patel led the design work and the construction process. With the building of the school the team hopes that ranching families will remain in their community. For more about their experience: designbuildbrazil.blogspot.com.

Noam Kimelman (M.U.P./M.P.H.’12) and engineering undergraduate student Zach Markin launched a business, Get Fresh Detroit, last summer that put fresh fruits and vegetables in convenience and liquor stores where many residents regularly buy their food. The concept was born in a College of Engineering social entrepreneurship class. They focused on packaging and distribution, created food kits with recipes and produce to make healthy-meal preparation easy, starting with the Stew Starter Kits. “Putting vegetables into convenience stores isn’t going to change the state of Detroit,” Kimelman said, “but we think it can make a difference.” — contribution by Nicole Casal Moore

Parke MacDowell (M.Arch.’11) and Diana Tomova (M.Arch.’11) designed and built the Wave Pavilion, an architectural installation generated by computer algorithms and constructed using cutting-edge robotic fabrication. In contemporary practice, computer modeling has supplanted the power of the line, using surface to produce complex form. The Wave Pavilion bucks this trend, weaponizing the line through algorithmic processes and digital fabrication before cutting it loose in the physical world. This fall, they presented Wave Pavilion at Temple University’s INPUT_OUTPUT: Adaptive Materials and Mediated Environments Symposium and Exhibition.

Faiza Moatasim (Ph.D. Architecture) received the first-ever Robin Wright Graduate Fellowship from UM’s Center for the Education of Women. International journalist, foreign policy expert and UM alumna Robin Wright created the fellowship to support a UM graduate student from Africa or the Islamic World. Moatasim will study housing issues of the underprivileged in the planned capital cities in South Asia. The Robin Wright Fellowship funded Moatasim’s visit to architect C. A. Doxiadis’ Archives in Greece, as part of her preliminary research on the planned modernist city of Islamabad, Pakistan.

Geoffrey Salvatore (M.Arch., M.U.P.’14) worked on the Mobile Food Collective, a design related community project through the Archeworks design program in Chicago last year. The collective was part of the U.S. Pavilion exhibit, Workshopping: An American Model of Architectural Practice, at the 2010 Venice Biennale, hosted by the U.S. State Department.
Wave Pavilion by Parke MacDowell and Diana Tomova
Commencement Awards

**Daniel Arthur Weissman**  
AIA Henry Adams Medal

**Natasha Stefania Krol**  
AIA Henry Adams Certificate

In each recognized school of architecture in the United States, the American Institute of Architects annually awards an engraved medal to the M.Arch. degree candidate with the highest scholastic standing. A certificate is awarded to the degree candidate with the second highest standing. The faculty determines the awards.

**Johnathan Saponara Puff**  
Alpha Rho Chi Medal

Alpha Rho Chi, a national professional fraternity for students of architecture and the allied arts, awards its medal annually, in April, upon recommendations of the architecture faculty in each school of architecture. The purpose is to recognize the M.Arch. degree candidate who has shown leadership and given service to the school and whose personality and attitude give promise of real professional worth.

**Amanda Shin, M.Arch.**  
Burton L. Kampner Memorial Award

Established in 1967 by contributions from alumni and friends of Burton L. Kampner, B.Arch. ’53, a memorial award is presented annually to the B.S. degree candidate whose final design project is considered to be the most outstanding. The selection is made by a jury consisting of architecture faculty appointed by the Architecture Program Chair.

**Mary O’Malley**  
Marian Sarah Parker Memorial Award

Sarah Drake Parker initiated this endowment, shared with the College of Engineering, in memory of her daughter, Marian Sarah Parker, C.E. 1895, the first woman to graduate with an engineering degree from the University of Michigan. As a member of Purdy & Henderson, Parker became a specialist in the design of the steel-framed skyscraper and helped to design such revolutionary buildings as New York’s Flat Iron Building and the Waldorf Astoria Hotel. The award is made annually to the outstanding woman senior in engineering and to the outstanding woman M.Arch. degree candidate.

**Graduate Thesis Awards**

**Johnathan Sapanara Puff**

“Acadian Roadstead: delimiting the Agency of the Proposal”  
Advisor: Mireille Roddier, Associate Professor

**Gavet Douangvichit**

“The Anatomy of Anticipation”  
Advisor: Jason Young, Associate Professor

**Tom Lee**

“Tapping into the Spirit World: Dead Chickens and Turtle Soup”  
Advisor: Perry Kulper, Associate Professor

**Wiltrud Simbuerger**

“cloud cuckoo land (a weather nursery)”  
Advisor: Craig Borum, Associate Professor

**Urban and Regional Planning Awards**

**Chelsea Rae Burket**

American Institute of Certified Planners Award

**Scott Porter Curry**

Academic Achievement Award

**Sarah January Pavelko**

University and Community Service Award

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De Peter Yi, Wallenberg Studio Award
Wallenberg Studio Awards

Shawn Lettow
Assistant Professor
Anca Trandafirescu’s studio,
Going Rogue – $6,000

Lindsey May
Lecturer Meredith Miller’s studio,
Second Natures – $6,000

De Peter Yi
Lecturer Vivian Lee’s studio,
Fathom Gotham – $6,000

Jurors: Laura Miller, University of Toronto John H. Daniels Faculty of Architecture, Landscape, and Design; Roger Sherman, University of California Los Angeles, School of the Arts and Architecture

Raoul Wallenberg, a 1935 graduate of the University of Michigan College of Architecture and Design, has been called one of the 20th century’s most outstanding heroes. In 1944, as First Secretary of the Swedish delegation in Budapest, Wallenberg set up safe houses and issued “schutzpasses” or passports that spared thousands of Jews from the concentration camps. In his memory and in honor of his courageous actions, the Raoul Wallenberg Endowment was established by the Benard L. Maas Foundation. At the college, Wallenberg’s legacy lives through our aspirations for architecture as a humane social art.

During the last semester of the undergraduate sequence, all seniors participate in the Wallenberg Studio, which aims to acquaint students with Wallenberg’s heroic acts and to understand the circumstances that made them necessary. During this semester-long competition the students are challenged to develop proposals that define architecture as a humane and social art and translate their ideas into a physical project. The studio culminates in a review by outside critics who award scholarships.

Architecture Program Chair Award

Kayla Lim
Chair Award

Architecture Program Chair Award is given to an architecture student who has made a significant contribution to the college by fostering and participating in the development of exceptional academic and community building activities within the Architecture Program. The chair of the program determines the award.

Saarinen Swanson Essay Competition Awards

Two awards of $2000 each:

Oana Druta, M.U.P.’11
“Lessons from a Public Participation Session”

Michael McCulloch, doctoral student
“Michigan Central Station”

Two awards of $750 each:

Micah Rutenberg, M.Arch.’10
“Heart[h] of Dis.Course”

Lauren ‘Rennie’ Jones, B.S.’11
“Effecting Social Change: Architecture as Servitude”

Judges: Professor of Architecture Caroline Constant; Associate Professor of Urban Planning David Thacher

Established in 1994, the college’s Saarinen Swanson Essay Competition writing fund encourages fine writing as a medium to foster critical thinking and exposition among future professionals in architecture and planning. Students submitted essays addressing contemporary critical discourse in design and/or urbanism.

Doctoral Studies Commencement Awards

Stephanie Zeier Pilat
2010 Distinguished Dissertation Award

Kristina Luce
Ph.D. Student Award

Ross Christopher Hoekstra
Master of Science Student Award

Diaan Louis van der Westhuizen
The Architectural Research Centers Consortium / King Student Medal for Excellence in Architectural + Environmental Design

ARCC / King Student Medal is named in honor of the late Jonathan King, co-founder and first president of the Architectural Research Centers Consortium (ARCC), this award is given to one student per ARCC member school. Selection of school recipients is at the discretion of the individual institutions, but will be based upon criteria that acknowledge innovation, integrity, and scholarship in architectural and/or environmental design research. The Doctoral Studies faculty determines the award.

Booth Traveling Fellowship

Sara Blumenstein, M.Arch.’09

The George G. Booth Traveling Fellowship was first awarded in 1924. It is offered annually by the University of Michigan Taubman College of Architecture and Urban Planning and presently carries a stipend of up to $8,000. For details and eligibility, see page 52.
The George G. Booth Traveling Fellowship was first awarded in 1924. It is offered annually by the University of Michigan Taubman College of Architecture and Urban Planning and presently carries a stipend of up to $8,500. The fellowship provides the opportunity for a recent alumnus/ae to research some special aspect of architecture that requires international travel.

Eligibility
To be eligible for the competition you must be 30 years of age or under before the March 31 application deadline and must be a Master of Architecture graduate of the University of Michigan or expect to graduate by August 2011.

To Apply
The award is made on the basis of the applicant’s academic and professional record (résumé) and submission of a well-documented plan of international study (proposal) detailing research subject matter and how work will be carried out. The proposal must include a one-page abstract, outlining places to be visited, the approximate period of travel, and projected expenses; a sample portfolio of not more than five pages (8.5”x11”); and a current CV. Applicants must sign the abstract and include their social security number, date of birth, and mailing address.

Requirements
The Booth Fellow is required, within six months following the completion of travel, to submit a written report. The report will be posted on the college’s website and a copy will be kept in the library at the Duderstadt Center. The Fellow may be invited to make a brown bag presentation to students and faculty at the college. The Fellow is encouraged to keep a blog of their travels with the option of linking this to the college’s website. Preference will be given to applications that outline a clear plan for sharing the results of their travel/study experience.

Deadline
March 31, 2011
Submit your application to Taubman College, Attn: Booth Fellowship, University of Michigan, 2000 Bonisteel Blvd., Room 2150, Ann Arbor, MI 48109-2069.
taubmancollege.umich.edu/booth

Keep in touch with the college and your classmates in one or more of the following ways:

Through Class Notes
Share your latest news and work.
Email: portico@umich.edu or visit the Taubman College website at: taubmancollege.umich.edu/portico. (Images submitted should be 300 dpi.)

You may fax or mail your update to:
Class Notes, Taubman College
The University of Michigan
2000 Bonisteel Blvd., Room 2150
Ann Arbor, MI 48109-2069
fax 734-763-2322

Post your news on our LinkedIn or Facebook Group
taubmancollege.umich.edu/linkedin
taubmancollege.umich.edu/facebook

Follow us on Twitter
taubmancollege.umich.edu/twitter

View conferences on YouTube
taubmancollege.umich.edu/youtube

View lectures on Vimeo
taubmancollege.umich.edu/vimeo
January 5  Classes Begin
17 Dr. Martin Luther King, Jr. Day – No Classes
University of Michigan 25th Annual
MLK Symposium

February 4  Lecture*: Richard Sennett (rescheduled)
18 -19 Michigan Association of Planners Student
Conference Future of Planning, Detroit, MI

February 26 -March 6  Winter Break/Spring Break Externships

March 17  Career and Networking Fair
18-19 P+ARG Conference: THE LEAN YEARS
Lecture*: Ellen Dunham-Jones &
June Williamson, March 18
21-27 Annual Architecture Student Show
CMYK Gallery, Third Floor
24 Alumni Society Board of Governors Meeting/
Architecture Preview Weekend

April 1-2  Future of History Conference
7-8 Urban and Regional Planning
Preview Weekend
29 Wallenberg Competition and Award
Symposium, A+ A Auditorium and
CMYK Gallery, Third Floor

29 University Graduate Exercises
(Rackham Graduate School)
30 University Commencement Exercises
(UM Stadium)
30 Taubman College Commencement Reception
(UM Museum of Art)

May 1 Taubman College Commencement
(Hill Auditorium)
12 AIA Convention (New Orleans)
Taubman College Reception

Exhibitions/College Gallery

January 13 -February 2  Research Through Making Exhibition
Opening reception Jan. 13, 6:30 p.m.
February 10 -March 1  Reflexive Architecture Machines Exhibition
March 8-19 P+ARG Exhibition: THE LEAN YEARS
March 24 -April 17 Fellows Exhibition
Opening reception April 5, 6:30 p.m.

*All lectures at 6:30 p.m. For event details and updates,
visit taubmancollege.umich.edu/events.

calendar

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