

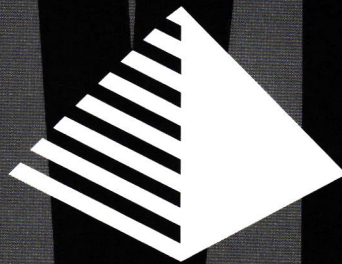
# COLUMNS



VOLUME 18, NO. 7 AIA PITTSBURGH, A CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS SEPTEMBER 2004

**LEBBEUS WOODS AT HAC • BREAKING NEW GROUND IN SUSTAINABILITY RESEARCH  
Q&A WITH BILL FAIN, FAIA**

COMMERCIAL • EDUCATIONAL • FINANCIAL • HEALTHCARE



**R.E. CRAWFORD**  

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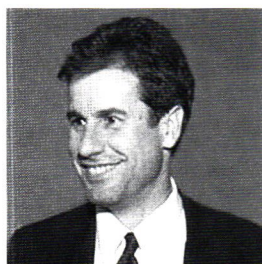
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## The AIA Pittsburgh Brand

By Dan Rothschild, AIA



*The goal of this exercise was to start to think about AIA Pittsburgh as a brand, and to determine how closely our brand characteristics related to those of AIA.*

### The summer vacation is a natural break

in our yearly cycle with time off from jobs and school-related activities. The break is also true for this magazine as we publish a double issue in July/August. The break also serves as a natural shift in the focus of my President Messages. For those of you following the path of this year's messages, I have focused on describing the process and attributes of the AIA Brand Study. In the last half of the year, I will be relating that information directly to our Pittsburgh chapter.

As a quick review, the AIA commissioned a brand study that was a participatory process including a wide range of constituencies. The results of that study are on AIA's website at [www.aia.org/brand](http://www.aia.org/brand) and can be summarized by the three core values that define and support the AIA brand:

**Knowledge:** We add to and facilitate sharing knowledge of design and practice through continuing education and knowledge communities, investment in research and development of practice tools and standards.

**Advocacy:** We give voice to our shared values as architects in order to influence the shape of our neighborhoods and our world, and to ensure the future health of our profession—through action and communication at the local, state, and national levels.

**Community:** We create opportunities for all architects to connect with each other, to share experiences and to celebrate great work, in local and regional communities, at national and international gatherings, and around common interests. We welcome and support all future members of our profession. We build relationships with others who participate in creating the built environment.

At this year's retreat, AIA Pittsburgh's Board of Directors learned about the AIA Brand Study and reviewed those findings with regard to our chapter. Our retreat encompassed the following tasks:

1. Identify AIA Pittsburgh's Brand Characteristics, both current and future.
2. Align brand characteristics with AIA Pittsburgh's products/services.
3. Identify current and future target audiences.
4. Chart a Gap Analysis that identifies weaknesses between products/services and target audiences.
5. Develop strategies to relate Brand/Products & Services/Target Audiences.

### 1. AIA Pittsburgh Brand Characteristics

The Board participated in a brainstorming session that re-

sulted in characteristics that were either currently associated with, or could someday be associated with, AIA Pittsburgh's brand. The goal of this exercise was to start to think about AIA Pittsburgh as a brand, and to determine how closely our brand characteristics related to those of AIA. Our characteristics included the following: Active, Advocates, Belonging, Benchmark, Community, Collective, Creativity, Design, Ethics, Fairness, Fellowship, Guidance, Inclusive, Innovators, Knowledge, Legitimacy, Mentoring, Motivators, Outreach, Part of Larger Network, Professionalism, Quality, Sharing, Standards, Supportive.

### 2. AIA Pittsburgh Brand/Products Relationship

The exercise continued to align the brand attributes with the twelve primary products of AIA Pittsburgh: Build Pittsburgh, *Columns* magazine, Design Pittsburgh, Electronic Forum (new product), Electronic Newsletter "What's Going On?!", Foundation for Architecture, Gold Medal, Leadership Forum, Membership Meetings, Membership Services, Website, Young Architects Forum.

### 3. AIA Pittsburgh Target Audiences

We then identified the target audiences of our services into the following categories:

Architects: Senior (20+ years), Middle (5 to 20 years), Junior (0 to 5 years), Architecture Students, Affiliate Consultants, Affiliate Contractors, Public (Buyers of Services), Public (Future Architects), Public (General), Foundations, Vendors and Manufacturers.

### 4. AIA Pittsburgh Gap Analysis Matrix

All information of Brand, Products, and Target Audiences were assembled into a matrix to determine our strengths and weaknesses. Board members agreed that this information would be extremely helpful when communicating the value propositions of our products and services to different target audiences.

### 5. Strategies to Strengthen Brand/Products & Services/Target Audiences

Toward the end of the retreat we identified Board members as "champions" of individual products and services and brainstormed goals for the year.

In the upcoming President's Messages for the last half of this year, I will focus on detailed information of the challenges, opportunities, and successes we as a chapter face in clarifying our brand, and using that strategy to become a more effective and responsive organization. As always, the Board of Directors welcomes your input into this process, so please feel free to contact me directly at [danr@rdarch.com](mailto:danr@rdarch.com) or the AIA Pittsburgh office at [info@aiaappgh.org](mailto:info@aiaappgh.org).

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**On the cover:** Aerial Paris, Lebbeus Woods

AIA Pittsburgh serves 12 Western Pennsylvania counties as the local component of the American Institute of Architects and AIA Pennsylvania. The objective of AIA Pittsburgh is to improve, for society, the quality of the built environment by further raising the standards of architectural education, training and practice; fostering design excellence; and promoting the value of architectural services to the public. AIA membership is open to all registered architects, architectural interns, and a limited number of professionals in supporting fields.

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## Justifying Your Services

By Anne J. Swager, Hon., AIA

### Election season always brings great debate

on issues that affect us, such as the perennial discussion on the cost of health care and health insurance. As the chief cook and bottle washer at AIA Pittsburgh, I share the concern rising health care costs have on our bottom

line. As the mother of a child with "special needs", I have lots of experience both positive and negative with the health care industry. I can certainly see inefficiencies and obvious ways to cut costs. I can also see the tremendous strides in health care that have resulted from big investments in research and development. The most poignant advance for me was the drug used to treat my youngest child when she became ill as an infant. If she had been born five years earlier, she most likely would have died. Unfortunately, many of my experiences since have been about what is not covered, what is not available and how long you have to wait to see a specialist. Worst of all are the precious few moments you get with the paid expert, the doctor. As a result, I have learned to educate myself about options and to advocate for my own care and that

of my family. Despite its hassles, health care is essential. And despite the continued discussion, real improvements in the system do not look to be on the horizon.

When I first started at the AIA, I marveled at how the lawyers and the doctors got it right. Their services are essential. Something that no one else can perform and better yet, no one else would ever dream of doing themselves. You might design your own house addition but you wouldn't perform an appendectomy on yourself or (unless you were mighty foolish) defend yourself in a murder trial. Hence, doctors and lawyers command a premium for their services and get it. Even better, health care is insured. It is a "right" of being gainfully employed and at one point the liability was unlimited. If you were sick, no matter what you had, you saw a doctor, got treated and it was paid for as part of your annual compensation.

Obviously, the liability has changed and a lot is no longer covered but we still expect a certain level of care to be paid for by our insurance plan.

In this issue, we explore research and development initiatives in the architecture and engineering industry. Justification for your services is being taken to a different level and to me, a welcome one. Who can complain about the costs of your services if it can be proven that you increase worker productivity, improve healing rates, or improve the learning environment for a child? Who can argue with costs based on quantifiable benefits? The research in and of itself is fascinating but best of all it comes with the added benefit of making the case for what you do that much easier. I have one misgiving though. The research can strengthen the work you do but it does not relieve us of making the case for beauty and good design. Beauty for beauty's sake is still a worthwhile endeavor and one that we should insist upon for our places. Obviously, the uplifting of a person's soul is a difficult benefit to measure but it is still a worthy outcome. We will never know how those moments in the average Joe's life where he or she comes upon a special place, building, architectural detail or park changes the person's next move, next several moves, or day or outlook for a lifetime. Not being able to measure however, does not subtract from the necessity of beauty to help us enrich our lives. Focusing on quantifiable results is a necessity but it does not have to be at the expense of the addition of good design and beauty to our lives.

Unlike architects, doctors aren't doing as well these days. Their salaries have been questioned and, with the advent of managed care, much of their decision making has been usurped by insurance companies. You have to wonder if some of this comes from moving from the medical profession to the healthcare industry.



*Who can complain about the costs of your services if it can be proven that you increase worker productivity, improve healing rates, or improve the learning environment for a child?*



# FEEDBACK

## Civic Design Initiative

John Radelet, AIA of Radelet McCarthy Inc. wrote in response to the question posed in July's Homefront Column about advancing good design values in a community and the role of a foundation as leader. Was there any other city in the country where this was happening? Radelet pointed out that, "Columbus, Indiana, has been a mecca of architectural pilgrimages for more than 60 years because (primarily) of the Cummins Engine Foundation." If you're looking for a role model, he said, that would be the one. Citing the book, *A Look at Architecture*, he notes the list of projects in Columbus where the Foundation has paid architects' fees. "Many more buildings have joined the program following the Foundation's lead, but without fees being funded by grants." The list dates from 1957 through 1998 when the book was published and includes 42 projects, from Otter Creek Golf Course and Clubhouse (Harry Weese) to Fire Station No. 6 by William Rawn Associates. The foundation grants continue today.

Columbus, Indiana was, in fact, a destination for a group of AIA Pittsburgh architects a few years ago. The story of this community of 37,000 is fascinating and worth a look in light of the Civic Design Initiative in Pittsburgh.

In 1942, the First Christian Church, designed by Eliel Saarinen as a break with the traditional Romanesque and gothic styles, was dedicated in Columbus, ushering in the beginning of modern architecture in the city. In 1954, Eero Saarinen took the next step with his design of Irwin Union Bank. In 1957, the Cummins Engine Foundation, under the belief that "the built environment is crucial to a quality community" offered to pay the architect's fee for any new school that was designed by an architect selected from their list. Later this was extended to include a range of public buildings. Meanwhile, other church congregations and companies threw their support behind the idea by hiring prominent architects such as I.M. Pei, Harry Weese and Richard Meier for their own projects. The AIA has since ranked Columbus, Indiana sixth in a list of national cities for architectural innovation and design. (Chicago, New York, San Francisco, Boston and Washington, DC lead.)

## l e t t e r s



■ Thank you for your excellent article on the exciting expansion plans at Phipps Conservatory and Botanical Gardens. I am pleased to tell you and your readers that there have been some significant additions to our plans since your original interviews. Over the last few months we have been working hard with our architects at IKM to put the "green" in greenhouse. In fact when completed, our new conservatory will be the most energy efficient and significant conservatory in the U.S. The new conservatory will include a double pane insulated glass roof, energy blankets along the roof and glass walls for night time heat retention in the winter, root zone heating, insulated thermal massing in the northeast and northwest walls, MX style vents and other passive cooling strategies. The lower site will feature a sustainable plants garden, a phyto-remediation demonstration garden, a rain garden, and a green roof trial garden. If additional funds become available we will also install a "living machine" that will use plants to treat gray and black water produced on the site. Phipps also has a program in place for sustainable operations including an Integrated Pest Management program so that we can avoid the use of toxic pesticides. Thanks again for your wonderful feature on Phipps.

**Richard Piacentini**  
Executive Director  
Phipps Conservatory and Botanical Gardens

■ I would like to compliment your organization on the past two issues of *Columns*, April and May 2004, with your mention of landscape architecture. The April issue contained a great article on collaborating with architects and the inclusion of Dale Earl, landscape architect, with Fahringer, McCarty, Grey, Inc. in your roundtable conversation. In addition, you listed the landscape architects involved with the projects listed in this article.

Your May issue of *Columns* on Phipps Conservatory and Botanical Gardens also included the exterior landscape architecture firm of Marshall Tyler Rausch who has been involved with Phipps for over ten years. Again thank you for including our profession in your wonderful magazine.

We look forward to future inclusion in the collaboration of professions including articles and features on how the profession of landscape architecture compliments the profession of architecture.

**W. Michael Leigh, RLA, ASLA**  
President, PA/DE Chapter American Society of Landscape Architects

■ Additions/Corrections  
"I read the very interesting, well researched and written article by Susan Gordon, Associate AIA entitled, "The Success of Chatham Village" in the June issue of *Columns*.

Ms. Gordon states that "Clarence Stein and Henry Wright, in addition to a team of architects and landscape architects, are credited with the planning and design of Chatham Village." Whereas Wright and Stein were the planners, the firm of Ingham and Boyd, practicing today as IKM, Incorporated, accomplished the architectural design and Griswold, Winters and Swain, now known as GWSM/Pennoni, did the landscape architectural design.

**Alan L. Fishman, AIA**  
IKM, Incorporated

■ In the July story about the Build Pittsburgh seminars on the Riverlife Task Force, we included an illustration of Point State Park that shows the proposed visitor's center. Pfaffmann + Associates are the architects for the center.



# Pitt's Mascaro Sustainability Initiative

**BREAKS NEW GROUND IN RESEARCH**

BY TRACY CERTO

*Comparing PNC's Firstside, a LEED-certified building in Pittsburgh with a conventional operations building of PNC's in New Jersey, is one of the research projects underway at MSI. PHOTO © ED MASSERY*

**T**here's no question that focusing on the built sector will have more impact than anything else in improving energy efficiency in this country. Consider: Commercial and residential buildings use 65.2% of total U.S. electricity and 12% of the potable water in the U.S. Building activity in this country is responsible for over 136 million tons of construction and demolition waste and 30% of greenhouse gas emissions. Buildings account for 40% of the raw materials used worldwide.

Yet, as Carnegie Mellon University's Vivian Loftness, FAIA, reports, "the building sector currently receives the least federal attention for research and development, despite its large potential for addressing climate change."

"The fact is, if you could do something to increase the efficiency of the construction industry and improve labor productivity, it would have huge benefits overall," says Jack Mascaro of Mascaro Construction Company, LP. A few years ago Mascaro decided to do just that and he approached the University of Pittsburgh's School of Engineering with the idea of formal research in sustainable engineering. Building upon the construction management program and the green construction curriculum in the department of civil and environmental engineering, a new initiative called the Mascaro Sustainability Initiative was

established in October of 2003, named after the alumnus who is one of three funders. The others are the Heinz Endowments and the George and Eva Bevier Estate.

"It's a very important issue," says Mascaro. "The idea for the Mascaro Sustainability Initiative came from the concept that the construction industry is huge, larger than the steel, automotive and aluminum industries combined, representing almost 10% of the GNP and employing 10% of the labor force. But there's very little research and development being done. Normally most industries will fund 10-15 % of revenue to R & D, but the amount of R&D in construction is negligible. Given the highly diversified and fragmented nature of the industry, it's difficult to even measure."

As long-time supporters of green building, the Heinz Endowments approved funding for MSI because "we saw a missing link in the community," says Director of the Environment Program Caren Glotfelty. We have developers who want to build green, and architects who want to design green, but do we have construction companies that want to go green?" Besides "educating every engineering student, and providing a certification for engineers who go into construction management there's also the research which is a really important component of the whole picture," she adds.



**The MSI Initiative team includes, from left to right: Jerry Holder, US Steel Dean of Engineering, founder Jack Mascaro, Co-directors Eric Beckman and Gena Kovalcik.**

Although the ultimate goal is to make the School of Engineering a leader in sustainable engineering research, encouraging collaboration nationally as well as worldwide, the current focus is on two areas. Obviously green construction is one. "If the industry doesn't embrace it and figure out how to do it properly, it won't get implemented," says Mascaro. The other focus, he says, is on sustainable water use. "It's our most valuable resource and it gets wasted so we have to figure out ways to use less water, more efficiently."

MSI Co-director Eric J. Beckman, Bayer Professor and chair of Pitt's Department of Chemical and Petroleum Engineering, says they chose those themes because they're very broad and involve different disciplines. "To do these things successfully will require a lot of people from different fields to participate," he explains.

The problems they aim to solve are going to be with us for a long time, he says. "It's not like weeks from now we're going to say eureka! We've done it." Rather it's a process

## McGowan Institute for Regenerative Medicine

ARCHITECT: IKM, Incorporated

Standing on the old the J & L Steel Mill site, the McGowan Institute for Regenerative Medicine houses scientists and researchers who are developing artificial organs, replacement tissues and cellular therapies. The 45,200 square foot building was built in two phases, first as a speculative laboratory and office shell building for the URA in 1999, and then as a design and build-out for the University of Pittsburgh. The second phase was designated a LEED project with a grant from the Heinz Endowments—with the challenge that they pursue a Gold rating. "Achieving the stringent Gold standard with an existing shell building was a double challenge," according to Jim Taylor, AIA of IKM. The group focused on elements that could be optimally designed during the fit-out project such as careful product selection which allowed the project to more than double the LEED standards for recycled content and regionally sourced materials. The building uses photocells, occupancy sensors and CO2 sensors for efficiency and features an HVAC system with a desiccant heat wheel that saves energy through an air-to-air heat exchanger while meeting the Institute's need for 100 % outside air. Modeling by the IKM team projects energy savings of 33% compared to ASHRAE standards. Landfill gas through the Green Mountain Energy Company supplies the power the building needs.





***Pittsburgh is leading the way in research that demonstrates the quantitative value of green building. With hard data in critical demand to market green building, PNC Firstside is being evaluated in terms of building performance as well as worker productivity, health and safety.***

of continual improvement, constantly thinking about the next generation of technology. "We'll always be able to do better. These are scientific problems that have legs."

Unlike other scientific problems, however, these are easy to explain to laypeople, a big plus for the fledgling group. "I've talked to congressional staff about how green building helps make their lives better," says Beckman. "Often times we scientists do a poor job explaining what we do and why it's important. Sustainable water use is easy to describe, unlike genetic engineering."

Another plus is the substantial research strength they already have in each area. In 2002, Beckman won a presidential Green Chemistry Award, as well as a 2004 Carnegie Science Award, for his work in compressing carbon dioxide for its use as a renewable and benign solvent.

The idea is to then design a system so CO<sub>2</sub> can be used in place of organic solvents. Orange juice is pasteurized using CO<sub>2</sub>, for example, just as coffee is decaffeinated by CO<sub>2</sub>. And now CO<sub>2</sub> is being used in dry-cleaning in lieu of harsh and toxic chemicals. "CO<sub>2</sub> is much more benign, but it's not very strong so you have to design helper molecules, in this case soap," says the scientist who notes that a chain of drycleaners called Hangers is already using this more environmentally friendly approach. "It's cool," Beckman admits. "It's fun to work on something where you can make a difference."

## THE RESEARCH UNDERWAY

A number of significant research projects are underway at MSI, including one that compares a green building, the LEED-certified PNC Firstside, with a similar PNC operations building in New Jersey that is conventional. "What's interesting is we're not just looking at this from a building side but from the people side—worker productivity and health and safety," says Pitt's Dr. Kim Needy, an industrial engineering professor who is leading the research team. The 19-month project, with its "more holistic approach" just recently got underway and Needy expects to have preliminary findings by next April.

"It's a unique situation in that we have comparable buildings," says her research partner, Robert Ries, assistant professor of Civil and Environmental Engineering. "Environmental quality will have measurable payback in terms of worker productivity because that is such a large percentage of the costs of owning and maintaining a building." The team will attempt to quantify the effects of lighting, indoor air quality and daylighting upon worker productivity, health and safety factors and energy savings and maintenance costs. They may have a leg up already. Existing protocols are in place for monitoring, says Ries, since PNC has been measuring such factors as absenteeism and turnover.

### CURRENT POST-DOCTORAL RESEARCH PROJECTS

PROJECT TITLE: Replacing Energy Intensive Cements with Blast Furnace Waste that has been enhanced through the Addition of a Recycled Concrete Mineral Admixture.

PROJECT TITLE: Green Structural Neurology - A Nervous System for Green Buildings

PROJECT TITLE: Development of Nano-bimetallic Catalysts for the Removal of Nitrates from Drinking Water by Coordinated Synthesis, Structure and Selectivity/Activity Measurements

PROJECT TITLE: Environmental Life Cycle Assessment under Uncertainty for Green Building Engineering

PROJECT TITLE: Modeling the Failure and Self-Healing of Surface Coatings for Green Construction

PROJECT TITLE: Standard vs. Green Building Construction—Improvements in Worker Productivity, Health and Safety, Maintenance Costs, and Energy Savings

PROJECT TITLE: Generation of Surfaces that Display Inhibition of Mold Growth

### 2004 UNDERGRADUATE SUMMER RESEARCH PROJECTS

#### Civil and Environmental Engineering

PROJECT: How plants can be identified and classified as phytoremediating agents and finding relevant application of their use in land and water reclamation

PROJECT: Proper materials and structure for optimum performance of green roofs in southwestern Pennsylvania

#### Electrical Engineering

PROJECT: Green structural neurology—a nervous system for green buildings

#### Bioengineering

PROJECT: Examining the green building of healthcare structures  
Computer Engineering

PROJECT: Self-healing of surface coatings for green construction

Making a difference matters to students today, who appreciate knowing their work is going to be part of a positive, long-term contribution. For that reason, Beckman predicts that "sustainable engineering is going to be very popular with students."

So far, things look promising for the initiative which will host an international conference on sustainable engineering in Pittsburgh next spring. Planning is well underway, says Beckman, with a number of heavy hitters lined up, including Amory Lovins of the Rocky Mountain Institute, Bernard Amadei, founding president, of Engineers Without Borders, and Vivian Loftness, FAIA of Carnegie Mellon University. The conference represents the biggest part of the Initiative's outreach component, which is one of three goals for MSI. The others include jump-starting multidisciplinary research and incorporating innovative curriculum advances such as:

- New construction materials that can be produced with less energy and waste, and require less maintenance when installed; materials that emit lower volumes of volatile compounds, and materials that inhibit the growth of mold.
- Smart control systems or algorithms that allow for a comfortable and healthy indoor environment while using less energy.
- New technology that lowers building water usage or allows for efficient recycling of water.
- Construction methods that produce lower environmental impacts.
- Life cycle and economic analyses.

Part of the problem with the engineering community, Beckman laments, is that it hasn't been represented in technology at conferences. "There's our niche," Beckman says. "We're going to be techno-centered. We're very new but what I've found is that the focus on technology should be extremely helpful. If we make progress in our research, it will help us out a lot nationally."

"We're on the cutting edge," states Mascaro confidently. Other schools, such as Carnegie Mellon's architecture school, are blazing trails in a similar direction but few engineering schools have thrown their hard hats into the ring.

Although Georgia Tech and Michigan Tech are two that have sustainability programs, notes Beckman, there is no strong competitor at this time.

"What makes us unique—it's sort of ours to screw up—is the fact that Jack Mascaro and Heinz and Bevier are funding us. They believe in the area and the school so they're invested. Early stage investment is critical," he asserts. The result? "We're rocking and rolling now."

It is in fact one of Pitt's fastest growing engineering programs, says Mascaro, who explains that the construction management program was initially funded through generous support from contractors, labor unions and contractor associations in the 1990's. "Historically when contractors would hire mechanical, electrical or civil engineers or architects, they had great technical skills but little if any business acumen. We had to spend valuable time training these technical people to be productive in the construction industry," Mascaro says. One of the purposes of the construction management program at Pitt is to do that kind of training—so that when they are hired, graduates can be immediately productive. Over 10 years, a million dollars has been donated to the construction management program, he adds.

A natural evolution of the construction management program was to get involved in sustainable construction. There was research taking place in green design, he says, but little was being accomplished in determining how to build green. The Green Symposium held here in October, 1997, helped define issues for green construction and served as a springboard for the evolution of MSI.

MSI continues to grow, forging connections with the Green Building Alliance—Executive Director Rebecca Flora is on the advisory board, and Megan Moser serves on a conference planning committee. They would like to partner with AIA Pittsburgh as well in working with the conference next spring, says Gena Kovalcik, MSI co-director.

At this early stage of the game, Mascaro says they have already hit a nerve. "It's doing a lot for the school and a lot for the industry. It's raising the bar." For Mascaro, that's a solid foundation on which to build more. "Let's be enlightened," he suggests, "and lead the way."

# The Growth of Green

## GREEN BUILDING PERFORMANCE RESEARCH INITIATIVE

"We could be a world-class player."



PHOTO BY TRACY CERTO

**At the Intelligent Workplace at Carnegie Mellon University, Azizan Aziz, left, instructor and Center for Building Performance and Diagnostics director Volker Hartkopf, research and test the latest environmental technologies in the 7000 sf living laboratory. "Pittsburgh," says Hartkopf, "has the unprecedented opportunity to globally lead in clean energy generation, as well as high-performance building practices."**

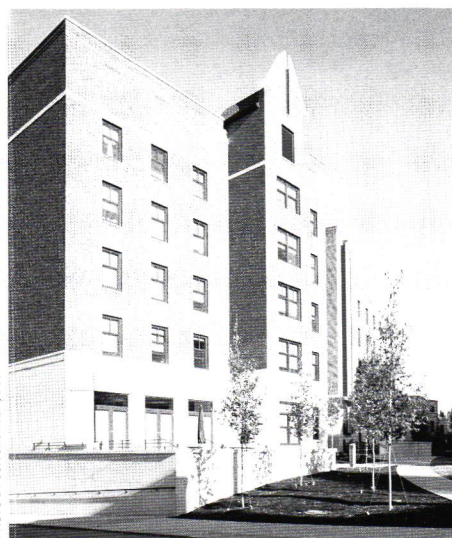


PHOTO BY JON JACKSON, BCU

### NEW HOUSE RESIDENCE

**The Center for Building Performance and Diagnostics did the energy modeling for the LEED silver New House Residence at Carnegie Mellon University, the first residence hall to achieve LEED certification. The building, which features a white roof, uses 31% less energy than ASHRAE/IESNA baselines, and avoids the use of irrigation with extensive native plantings, including 50 ash and serviceberry trees. With daylighting, fresh air pumped into dorm rooms and individual window controls, the health of New Residence Hall is expected to be among the best in the country. Architects: Bohlin Cywinski Jackson.**

A new research collaboration holds great promise in vaulting Pittsburgh into even greater prominence in green design.

The Green Building Alliance, in collaboration with Carnegie Mellon University's Center for Building Performance and Diagnostics and the University of Pittsburgh's Mascaro Sustainability Initiative, recently launched this initiative to generate and disseminate important building performance data and information for market acceptance of green building strategies. That includes building performance (energy usage, light and air quality), occupant performance (productivity, health) and business cost benefits of better performance.

"We have all the building blocks," says Volker Hartkopf, director of the Center for Building Performance and Diagnostics, "an array of things that don't exist anywhere else." He cites the Green Building Alliance, Pittsburgh's number one rank in the country for LEED certified buildings, and regional companies on the forefront of building technologies, including PPG, Alcoa and Siemens Westinghouse. The opportunity exists for "amazing things to happen", says Hartkopf. If and when they occur, another amazing thing will occur, he predicts with a smile—"Money comes our way." That could come in quite handy since there's significant work to do.

"The GBA research initiative is intended to build on the strength of the LEED portfolio in Pennsylvania, by studying and documenting the environmental and productivity/health gains in those buildings after several years of occupancy," says Vivian Loftness, FAIA, of Carnegie Mellon University. "The importance of collecting this information and building life cycle calculations that include the health and productivity benefits of green buildings is tremendous," she asserts, "and the difficulty of the task—finding or collecting the data, getting permission to use it, building the life cycle proofs—requires a team of professionals such as researchers, engineers, and writers to research and document."

In the first year, June '04 to June '05, the goal of the research group is to conduct up to six building case

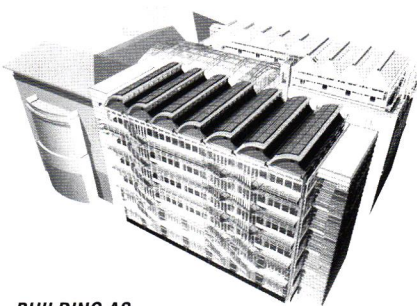
studies that demonstrate energy savings, increasing occupant well-being and cost benefits.

### The objectives:

- To establish Greater Pittsburgh in a critical research area, keeping our region in the forefront;
- accelerate Pittsburgh's momentum in green building and the accrual of its productivity benefits;
- attract funding from sources such as DOE, EPA and NSF;
- create a strong collaboration among green building academic and commercial interests;
- broaden and promote Greater Pittsburgh leadership in green building, thereby expanding opportunities to export green building products and services.

We have to think of ourselves strategically, suggests Hartkopf who thinks our weakness is in not believing enough in ourselves. So let's say we start believing. What then? "We could be a world-class player."

— TC



### BUILDING AS

#### POWER PLANT INITIATIVE

**The Intelligent Workplace™ Energy Systems is an advanced energy-efficient building with innovative technologies. Most or all of the building's energy needs for heating, cooling, ventilating and lighting are met on-site, maximizing the use of renewable energies. The goal of the BAPP initiative is to demonstrate the Intelligent Workplace Energy Systems on the campus of Carnegie Mellon University, building on the Intelligent Workplace Project—a 6300 sf laboratory for the Office of the Future.**

AIA PITTSBURGH *By Tracy Certo*

# Design Awards Preview



**WILLIAM H. FAIN, JR., FAIA**  
**Jury Chair, Design Pittsburgh 2004**  
**Architect and Urban Designer**

Mr. Fain, the jury chair for Design Awards 2004, directs urban design projects for Johnson Fain, a firm of ninety architects, planners and interior designers in Los Angeles.

A registered architect since 1973, he received his Bachelor's of Architecture from the University of California, Berkeley, and received Fellowships from the National Endowment for the Arts, the National Endowment for the Humanities, and the American Academy in Rome. He earned his Master of Architecture degree with a specialty in Urban Design from Harvard University. He began his career in the Mayor's Office of Midtown Planning in New York, resulting in the Fifth Avenue Special Zoning District. Later, as Urban Design consultant to the Boston Redevelopment Authority, he formulated the Tremont Street Special District, for which he received the first of his four awards from *Progressive Architecture*.

Most recently, Fain's "Greenways Plan for Metropolitan Los Angeles" received a *Progressive Architecture* award, and was included in the Los Angeles Museum Of Contemporary Art's "Urban Revisions" touring exhibit.

## Q & A WITH JURY CHAIR BILL FAIN, FAIA

### **Why are design awards important?**

Because it's recognition from your peers, not clients, for your design creativity. That is central. It leads to a greater interest in design creativity and excellence and it also rewards people who spend years doing what they have to do. We just won a National AIA award on our Mission Bay project in San Francisco and we were recognized in Chicago. I didn't think about it until we got there. It was really great! (laughs) With awards so much is driven by business—part of winning is having a good client.

### **What do you hope to find judging AIA Pittsburgh's Design Awards?**

How firms in Pittsburgh inform themselves about their design task and how well they execute them. We have no preconceived ideas. You're going to have a West Coast jury which is kind of interesting, right? Los Angeles is very bent toward new ideas. We're very interested in seeing what's happening in the recycling of cities and neighborhoods.

### **You were chair of the National AIA Regional and Urban Design Committee. Is there critical research being done today behind livability issues?**

There's plenty, especially at the university level. And there's the new Urbanism Movement as well as a trend toward inner city housing that we're seeing nationally. It's amazing.

### **As an architect based in LA what do you think of the two recent major buildings in your city—the Getty and the Walt Disney Concert Hall? Is there a shift in image for LA?**

That's a complex question. L.A.'s always been a serious city, entrepreneurial. New York has a similar work ethic of getting ahead. The outdoor quality of life pervades here. There's a certain permanence in these major new landmarks that are significant in scale and commitment and affecting the city dramatically. The new cathedral downtown is another; Cardinal Mahoney's effort to bring attention to the Catholic order here. And now there's an effort to re-do Grand Avenue as a major cultural destination.

The Getty rises above the city and is separate from it; The Disney Hall is built into the fabric of the city. Already it's created this huge interest to create a new Grand Avenue promenade. Twenty-five thousand housing units were recently constructed or are being constructed downtown.

### **You've lived in London, D.C., Rome and Los Angeles, quite a range. Any preference?**

I like LA. There are cities that take a longer time to get used to. Historical cities really shape the way you live and you get accustomed to it. There are some wonderful things about older cities and the scale and texture that you don't get on the West Coast.

I've been here 24 years, in Hancock Park in a home built in 1913. When our Japanese clients come here they're amazed to come into the city, where our home is 15 minutes from our office. In Tokyo, you don't have that possibility.

### **Ever been to Pittsburgh? What's your impression of this city?**

I've been there many times and I'm always interested in the grittiness of the city. I think it's a highly centralized city; traditionally it had the benefit of being a leading corporate headquarters with quite an interest at high financial levels in supporting it. I'm very pleased and honored to be included in evaluating design and to see what's happening in Pittsburgh because some of that corporate support isn't as strong yet the city is rejuvenating itself.

I've always liked the funicular on Mt. Washington. And now the Waterfront, with Alex Krieger's work and others there in Pittsburgh, which is becoming a major interest nationally.

### **Did you know Pittsburgh is the #1 city in the country now for green building?**

That is unbelievable. This is very interesting to me. We've done a large number of projects in China based on sustainability. In terms of a regional aesthetic, Chicago has a long tradition of respecting architects and Portland has a very definite regional aesthetic as does San Francisco, more so in the 60's and 70's. It sounds like Pittsburgh has a similar ethos.

### **Do you always wear a bow tie?**

(laughs) Yeah. Often times with client meetings I don't. I make my own ties. I used to buy my ties in Carmel and they stopped making the ties that are thinner so I went for a couple years without. So I found a seamstress—and when I'm in China and New York, I buy a yard or two of cloth and make both a bow tie and a long tie.

### **Any parting comments?**

We treat the Design Awards competition very seriously and we're looking for ideas—innovation and experimentation but also competence—and well-executed projects.

## Design Pittsburgh News

On Thursday, September 30th, join 500 of your colleagues at this year's Design Pittsburgh Gala at its new location in the 1st floor space of the Alcoa Business Services Center on the North Shore. Check out how a group of design professionals turn an unfinished space into an urban party scene complete with live entertainment. Here, you can see the AIA Pittsburgh Design Awards submissions and vote on your favorite entry for the Columbia Gas People's Choice Award. New this year — Gala goers will also receive discounts at local restaurants for post-party celebrations. Don't miss it!

### Design Pittsburgh Gala Committee:

Sean Beasley, Assoc. AIA, STRADA  
 Sylvia Chen, STRADA  
 Freddie Croce, AIA, inter\*ARCHITECTURE  
 Mack Godfrey, Prof. Affil., Columbia Gas of Pennsylvania  
 Steve Iski, Prof. Affil., studio i company  
 Mike Olsen, Mistick Construction  
 Tom Price, Assoc. AIA, STRADA  
 Stephen Quick, AIA, Perkins Eastman  
 Roxanne Sherbeck, AIA, Bohlin Cywinski Jackson

### Save these Dates:

**September 9** BINDERS DUE  
 9 a.m. - 5 p.m. AIA Pittsburgh office

**September 27** BOARDS DUE  
 9 a.m. - 5 p.m. AIA Pittsburgh office

**September 30** DESIGN PITTSBURGH GALA  
 6-9 p.m. Alcoa Business Services Building,  
 \$65/person

**October 4-15** EXHIBIT  
 Photo Forum Gallery in the U.S. Steel Tower  
 Exhibit of all entries in AIA Pittsburgh Design Awards. Vote for your favorite entry for the Columbia Gas People's Choice Award!

**October 18-20** EXHIBIT  
 Carnegie Museum of Art Hall of Architecture  
 Exhibit of all entries in AIA Pittsburgh Design Awards. Vote for your favorite entry for the Columbia Gas People's Choice Award!

**October 19** AIA PITTSBURGH DESIGN AWARDS  
 6-9 p.m. Ceremony and Reception. Carnegie Library Lecture Hall, \$15/person

## Gold Medal Recipient Lynda S. Waggoner

Lynda S. Waggoner, Vice President of Western Pennsylvania Conservancy and Director of Fallingwater, has been affiliated with the Frank Lloyd Wright masterwork since first serving as a tour guide during her high school days. She now is widely regarded as one of the nation's foremost authorities on Fallingwater.

"Lynda Waggoner understands Fallingwater in a way that few others alive do...because she is a direct link to the Kaufmanns and an indirect link to Wright," wrote American Institute of Architects member Robert Bailey in a review of Waggoner's recent book, *"Fallingwater: Frank Lloyd Wright's Romance with Nature."*

Those teenage days at Fallingwater inspired her to study architecture at the University of Kentucky and art history at the University of Pittsburgh, where she earned dual degrees in art history and anthropology with summa cum laude honors. Her first professional position was as curator of the Museum Without Walls, originally an outreach program of the Baltimore Museum of Art after which she was named curator of the Jay C. Leff Collection of non Western art. In 1980 she became the first executive director of Touchstone Center for Crafts, now a nationally recognized crafts school. A native of nearby Farmington, Waggoner returned to Fallingwater in 1985 as a curatorial consultant and became full-time curator in 1986. A year later, she was named site administrator in addition to her curator's role. She was named director in 1996.

Waggoner is past president of the Frank Lloyd Wright Building Conservancy, past Vice President of the Greater Pittsburgh Museum Coalition and past chair-



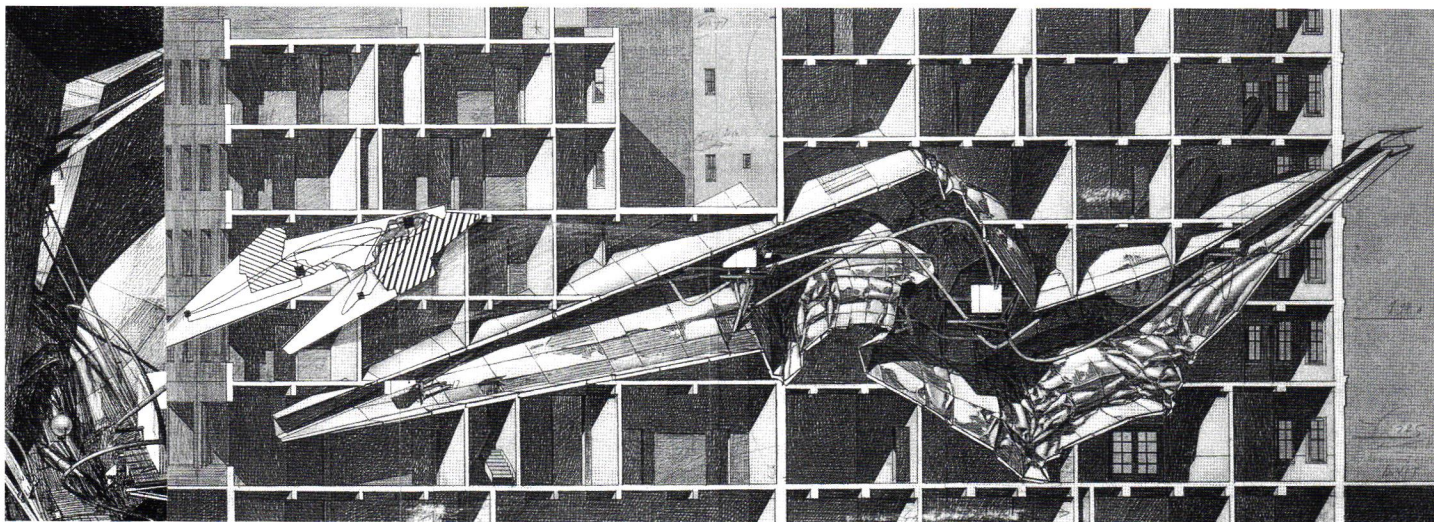
***AIA Pittsburgh's Board of Directors is pleased to announce that Lynda Waggoner, director of Fallingwater, is the AIA Pittsburgh Gold Medal recipient for her leadership in architectural tourism and the rehabilitation of Fallingwater, Frank Lloyd Wright's masterpiece.***

man of the Laurel Highlands Visitors Bureau. Currently, she is secretary of the Friends of George C. Marshall, a member of the Pennsylvania Historical and Museum Commission's Historic Preservation Board and the boards of Preservation Pennsylvania, The Pennsylvania Federation of Museums, and The Community Foundation of Fayette County.

In 1997, she was the Distinguished Alumna Lecturer for the University of Pittsburgh's Frick Fine Arts School of Art History and Architectural Studies. She continues to lecture widely, most recently at the Getty Museum in Los Angeles and The National Building Museum in Washington.

# LEBBEUS WOODS:

*Experimental Architecture at HAC*



*Freospace Section, Perspective, from the Project Berlin Free-Zone, 1990 electrostatic printing, colored pencil, pastel and ink on paper. Courtesy The Getty Research Institute.*

*“The questions he asks should be of interest to anyone who cares about the future of culture and society” —*  
TRACY MYERS

In 1987, architect Lebbeus Woods attended a conference in São Paulo, Brazil, where he was deeply affected by the substandard “favelas,” or squatter settlements built as housing by the city’s poor. “I realized that all my work up to that time was insufficient in confronting urgent human problems, not only in São Paulo, but anywhere,” said Woods, who had moved from bricks and mortar architecture to theory and experimental projects back in 1976. “Architecture by its very nature had to confront and begin to work on those kinds of problems,” insisted Woods.

Berlin, Zagreb, New York City, Sarajevo, and Havana are just some of the cities where crisis and upheaval have prompted Woods to respond with an exploration of ideas about architecture and heterarchy, freespace, experimentation, and living in the most fulfilling way.

His exhibition, *Lebbeus Woods: Experimental Architecture* is on view at the Carnegie Museum’s Heinz Architectural Center now through January, 2005. “It is, says curator Tracy Myers, Prof. Affil., the most comprehensive American exhibition ever of works by one of the most innovative and

internationally acclaimed experimental architects working today.” A dozen projects dating from 1987 to the present are represented through models, original drawings, photographs, and mural-sized digital reproductions of drawings. The exhibition also features a new, site-specific installation that Woods describes as a “drawing in space.”

“The kind of work that Lebbeus Woods does is very important to the architectural profession,” Myers says, and the questions he asks should be of interest to anyone who cares about the future of culture and society.

Scientific exploration advances understanding even when it produces inconclusive results, she says. Similarly, “experimental architecture stretches the limits of what is thought to be tectonically possible despite the fact that it seldom produces buildings in the conventional sense.”

Myers’ hope is that exhibition visitors stretch their minds and embrace Woods’ challenging but stimulating ideas. Woods’ exhibition is presented as an engulfing architectural experience, designed and installed by Woods and organized in collaboration with Myers who spent months working with him.

The architect, who has never produced a permanent brick and mortar structure, has been called an "architectural prophet" and "America's leading visionary architect". Woods said he turned to experimental architecture when he realized that working for clients, who commission buildings of well-designed types, made it nearly impossible to explore new ideas. "I realized, by the the mid-seventies, that I would have to become my own client and commission new, experimental types of buildings that participated in the often difficult, even radical changes going on in the world."

Better known abroad than in his native United States, Lebbeus Woods is a theorist who has devoted his career to creating radical new forms of space that are meant to provoke new ways of thinking. The exhibition is a physical manifestation of his ideas.

Even the exhibition is experimental in a way. The Heinz Architectural Center's exhibition spaces consist of a long "spine" corridor from which three small galleries and one large gallery radiate. Because the spaces vary in scale and shape, the exhibition is not installed in a uniform manner throughout the galleries but instead is conceived as a variety of experiences. A video interview of Woods located near the Center's main entrance provides the context for the exhibition and an understanding of the architect and his work. Beyond the video you're on your own. There are no explanatory materials, and the visitor is left to experience and interpret "a uniquely thought-provoking experience of what Woods calls "visual and spatial energy."

For example, the first small gallery contains Berlin Free Zone, Woods' 1991 series of drawings that were created after the breaking down of the Berlin Wall. In them, Woods questions the social shifts in the newly reunited city and creates "freespaces"-individual "living labs" whose functions are determined by their users, rather than by the architect, and which come together into loosely formed and continuously changing communities. The 24 enlarged digital reproductions in this gallery are arranged end-to-end and shown as a frieze that is 76 feet long and 23 inches high.

Woods is an extraordinary draftsman, and the second small gallery houses 23 original drawings from Aerial Paris (1989) and several of Woods' projects for Sarajevo (1993-

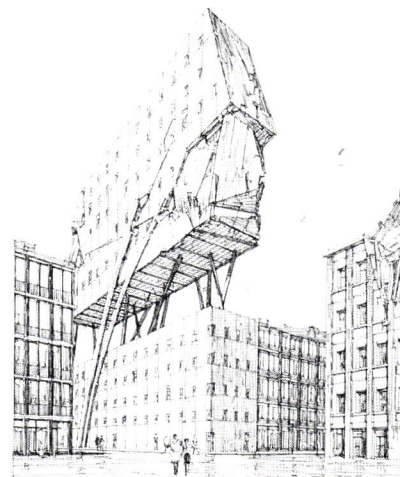
1994). In the former, freespaces are held aloft from Paris by Earth's electromagnetic field. The latter propose reconstructing the war-damaged city of Sarajevo by "healing" the ruined sections of buildings using elements made from the remnants of the destruction, so that they serve as signs of survival and reinvention. In both cases, Woods advocates living experimentally when new conditions demand it. "Experimental architecture is not for everyone," he says. "It is for people whose lives have been transformed by an experience."

Completely filling the third small gallery is The Tangle, an impenetrable thicket of bent aluminum tubing that invites entry while thwarting it. Built on-site by Woods and a team of volunteers, The Tangle gives physical form to the abstract idea of a "field of spatial potential."

In the Center's large gallery, a dense configuration of slightly tilted model supports holds a group of eleven models of projects for Havana, Zagreb, and other "zones of crisis." Several of the projects represented by models are also on view as drawings and digital reproductions elsewhere in the galleries.

Woods has re-shaped the Center's 80-foot-long spine by inserting 11 mural-size digital reproductions of drawings and photographs at varying angles to the existing walls. The 10-foot-high panels on which the images are mounted range in width from five feet to more than twenty feet, giving the visitor an authentic sense of the spatial qualities of Woods' proposals. An aluminum pathway that courses through the spine and other parts of the galleries is imprinted with key words from the architect's writings. Rather than forming a narrative or associating particular ideas with specific projects, the words are meant to be evocative and allusive.

For Woods, the projects, including the exhibition, represent crucial concepts that he feels have been neglected in the field of architecture. "The architect has to take responsibility to participate in the rationale of the building and not just to design," says Woods, who intends for visitors to leave with an understanding of architecture's experimental component.



**Meta Institute, from Havana Sketchbook, 1994-95; sewn linen book with ink and pencil on paper. Carnegie Museum of Art, Purchase: Gift of Drue Heinz Trust.**

#### FREE PROGRAM

Lecture by the Architect  
*Experimental Living*  
 Friday, September 10, 6:00 p.m.  
 Carnegie Museum of Art Theater  
 Book signing and reception to follow

Lebbeus Woods will speak about the imaginative proposals that envision entirely new kinds of space and position architecture as an instrument to reform traditional ways of thinking and living in response to a rapidly changing world.

#### CATALOGUE

The exhibition is accompanied by a catalogue, *Lebbeus Woods: Experimental Architecture*, which contains an exhibition project list and essays by Lebbeus Woods, Karsten Harries, professor of philosophy at Yale University, and curator of Architecture Tracy Myers.

Woods narrates a sequence of projects, dating from 1990 to the present, through which he has investigated an evolving, set of ideas and challenges. Harries places Woods's work within a long tradition of resistance to architectural convention. Myers analyzes and synthesizes the many complex ideas in Woods' remarkable oeuvre for the first time, weaving into the text a conversation with Woods that clearly reveals the interplay of passion and intellect that informs and drives his work. The 56-page book includes 17 color and 19 black-and-white images and is available for \$16.95 at the Carnegie Museum of Art store and through Distributed Art Publishers.



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## From the Firms

➔ **Renaissance 3 Architects, P.C.** will evaluate several alternatives for new student housing on the University of Pittsburgh's Greensburg Campus. The firm has also been retained to renovate and expand the Chambers Hall Student Center dining hall, serving area, kitchen and accessory spaces.

**WTW Architects** has been selected to design the \$7 million renovation and addition project for the University Center at Edinboro University of PA. Principal-in-charge is **Douglas Shuck, AIA**.

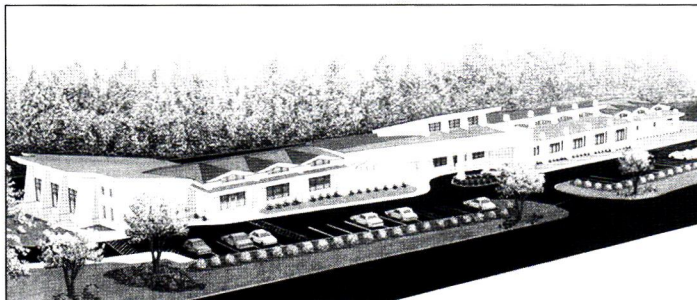
**L. Robert Kimball & Associates Architects and Engineers, Inc.** is providing architecture and engineering design services to the Allegheny County Sanitary Authority (ALCOSAN) for a new 86,000 GSF Operations and Maintenance Building.

The Clairton City School District awarded **L. Robert Kimball & Associates** a contract for architectural and engineering services for renovations and additions to the Clairton Education Center.

The Washington County Authority has selected **L. Robert Kimball & Associates** as the prime engineer/architectural consultant to provide professional services for the overall land development of Southpointe II in Washington County.

On June 30th, ground was broken for a new \$3.6 million Indiana University of Pennsylvania's Armstrong campus building. The 23,600 sf building includes administration offices, a library, classrooms and electro-optic labs. **Burt Hill Kosar Rittelmann Associates** provided the architecture, engineering, and site design.

Construction has begun for the 38,000 sf UCP Community Service Center in Richland Township, PA (pictured below). The facility will house administration offices for the United Cerebral Palsy Foundation, Southern Alleghenies Region. The building features a community room, training center, lease spaces and an indoor exercise/corridor loop. **BAECHLE & ASSOCIATES ARCHITECTS**, Hollidaysburg is the architect.



Construction has been completed on an expansion of the Intermediate Care Unit at St. Clair Hospital. The renovation project was designed by **Valentour English Bodnar & Howell**. With the construction complete on a new central laboratory and pedestrian bridge connecting the hospital with the Melenzyer Pavilion, work has moved to the relocation of the Cardiology Department. The design for each project was done by **Valentour English Bodnar & Howell** and will culminate with the renovation and expansion of the hospital's Emergency Department.

## Business Briefs

➔ **STRADA** has hired **Jennifer Beck, AIA** and Mark Hoffman as staff architects.

**STRADA** has also recently hired Kathryn Petrie as their new marketing director.

**Joel C. Cluskey, AIA** and **David E. Noss, AIA** have been named as vice presidents of **RSH Architects**.

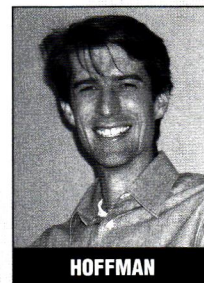
**Perkins Eastman** has hired Charles Krimmel as an intern architect.

**Burt Hill Kosar Rittelmann Associates** announced the addition of Derek M. Sitosky to the lighting and electrical engineering staff in the firm's Butler, PA office.

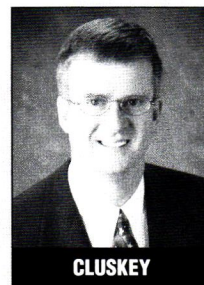
**Burt Hill Kosar Rittelmann Associates** has also hired Andrew L. Lavengood in the Pittsburgh office as a graduate architect and Anastasia Heck as an architectural intern. Georgia M. Kouvaras has joined the Butler marketing staff as the business development representative in the K-12 Studio.



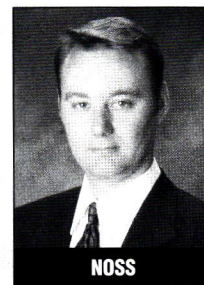
BECK



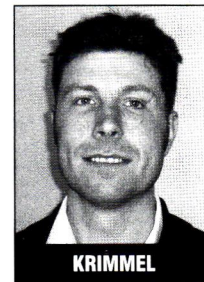
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Presented by HCS Concrete Structures  
Sika Corporation, and Others to Be Announced

**HCS** HIGH CONCRETE  
STRUCTURES, INC.

**Date:** Tuesday, November 9, 2004  
**Time:** 8:00 AM–6:30 PM  
**Location:** Holiday Inn  
1 Denver Rd., Denver, PA 17517  
(35 miles west of Valley Forge)

Learn how to integrate the latest innovations in precast concrete technology into your designs and receive up to 8.0 hours of AIA/CES Learning Units. The first 50 registrants will receive a free gift in celebration of the Precast/Prestressed Concrete Institute's 50th Anniversary.

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Learn how to ensure that your precast designs are built as you intended. **1.0 Learning Units.**

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#### **CarbonCast: Multi-Unit Residential System Design & Specification**

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#### **Schedule**

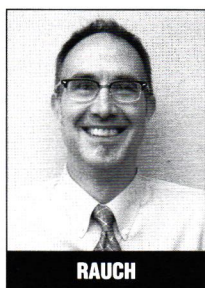
7:30–8:00 AM	Registration & Continental Breakfast
8:00–9:30 AM	Architectural Precast: Detailing & Structural Considerations (1.5 LU credits)
9:40–11:10 AM	Precast Parking Structures: Design & Construction (1.5 LU credits)
11:10 AM–12:10 PM	CarbonCast: New Developments in Precast Reinforcing Products & Delivery Systems (1.0 LU credits)
12:20–1:20 PM	CarbonCast: Multi-Unit Residential System Design & Specification (1.0 LU credits, lunch provided)
1:30–3:00 PM	Precast Plant Tour
3:00–4:00 PM	Sealants: Structural Strengthening with Composites (1.0 LU credits)
4:00–5:00 PM	Total Precast Structures (1.0 LU credits)
5:00–6:30 PM	Reception

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**JSA Architecture Planning Engineering Interior Design** is pleased to announce the promotion of **Andrew J. Rauch, AIA** to Associate.

Theresa M. Giacomino, an interior designer and specification writer with **Radelet McCarthy Architects**, recently received the Certified Construction Specifier certification (CCS) from The Construction Specification Institute.

### Kudos

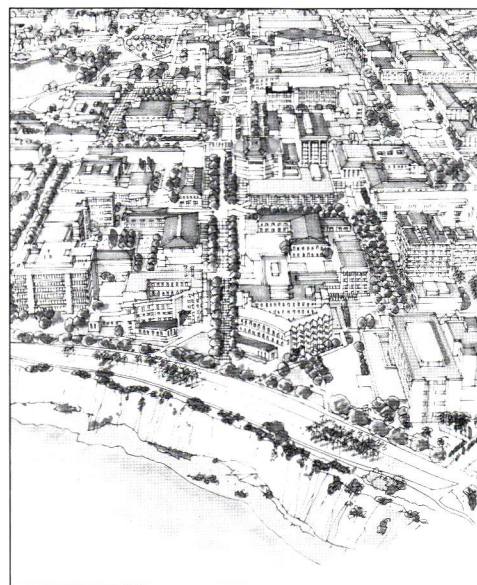
On June 28th, 50 elementary students participating in the Pittsburgh Public Schools Summer Gifted Institute spent a day with architects from **STRADA** learning about architectural design and building development. Throughout the day, students had the opportunity to attend workshops at STRADA's offices, tour the convention center, and explore the Cultural District. **Alan J. Cuteri, AIA** (pictured below) is a principal at **STRADA** and has worked with Pittsburgh Public Schools for over 15 years.



Michael A. Stern, ASLA, of **STRADA** recently served on an Urban Land Institute (ULI) advisory panel to discuss the revitalization of the Haddon Avenue corridor in Camden, NJ, one of the most distressed cities in America. Stern participated as part of an interdisciplinary team that evaluated the current socio-economic conditions and land uses along Haddon Avenue and proposed future development concepts that can be implemented as part of the revitalization plan.

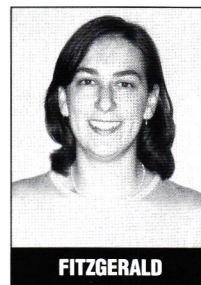
**Renaissance 3 Architects, P.C.** announced that project architect **Rebecca L. Leet, AIA**, has recently passed the Certified Construction Specifiers Exam as administered by the Construction Specifications Institute.

*The 2004 Congress for the New Urbanism, Charter Award for Neighborhood Districts and Corridors* was given to **Urban Design Associates** for the University of California Santa Barbara Campus Plan. Over the past few years, Urban Design Associates along with the design team (LaQuatra Bonci & Associates and Glattig Jackson Kercher Anglin Lopez Rinehart), and the University of California Santa Barbara have developed a campus plan to improve the quality of life for students and residents.

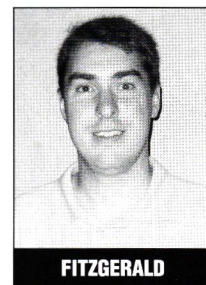


**Renaissance 3 Architects, P.C.** announced that the Waterfront building designed for the Siemens-Westinghouse Fuel Cell Facility has recently gained status as a LEED™ 2.0/2.1 Certified building.

At **Perkins Eastman**, Lori Fitzgerald and Scott Fitzgerald passed the architect licensure exam and received their Pennsylvania license.



**FITZGERALD**

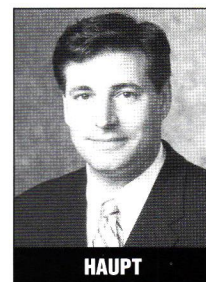


**FITZGERALD**

**Christopher R. Haupt, AIA**, vice president and managing principal, **L. Robert Kimball & Associates**, has been selected as a "Fast Tracker" by the Pittsburgh Business Times.

**Burt Hill Kosar Rittelmann Associates** was recently awarded the BE Award of Excellence—Best Building Visualization, for their design ideas relating to the University of Connecticut Information and Technology Building.

— By Maya Haptas



**HAUPT**

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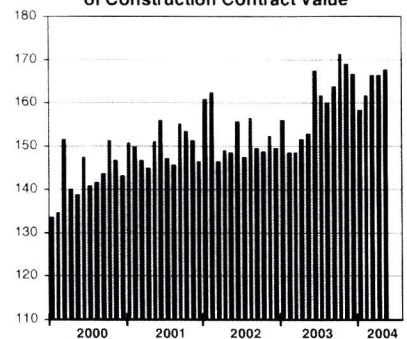
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## Construction Rises One Percent in May

At a seasonably adjusted annual rate of \$556.1 billion, new construction starts in May were up 1% compared to the previous month, reports McGraw-Hill Construction. Nonresidential building registered its strongest performance so far in 2004, outweighing a modest retreat for housing and a more substantial decline for nonbuilding construction (public works and electric utilities).

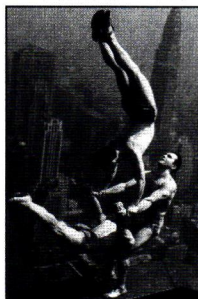
**The Dodge Index (1996=100)  
of Construction Contract Value**



Source: McGraw-Hill Construction Analytics

## When AIA Contract Documents are in force, everyone's interests are in balance.

AIA Contract Documents were created from a consensus of contractors, developers, lawyers, and architects expressly to balance the interests of all parties. They cover all phases of a project from beginning to end. Courts have recognized their legal legitimacy time after time. Which is why no other standard



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## AIA Contract Documents

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# CALENDAR

## AIA ACTIVITIES

SEPTEMBER 3, FRIDAY

**AIA Communications Committee Meeting.**  
Noon at the Chapter office. All members are welcome. 412-471-9548

SEPTEMBER 14, TUESDAY

**AIA Pittsburgh Board Meeting,** 5 p.m. at the Chapter Office. All members are welcome. 412-471-9548

## AROUND TOWN

SEPTEMBER 8, WEDNESDAY

**SDA Just Ducky Tour.** SDA is hosting a Just Ducky Tour. For more information please contact Tara at Renaissance 3 Architects at 412-431-2480.

SEPTEMBER 9, THURSDAY

**ASID Glass Exhibition for Interiors,** mini-expo of innovative uses of glass and demonstration of hand-blown glass techniques at The Pittsburgh Glass Center at 5472 Penn Avenue. Call Anne Ditmanson at 412-201-3363 for details.

SEPTEMBER 14, TUESDAY

**CSI 'Substitutions... how useful are they really?'** A panel discussion on when and why substitutions should be considered, including factoring in often overlooked hidden costs, at the Louis Tambellini Restaurant, 860 Saw Mill Run Blvd. (Rt. 51), Pittsburgh. To make a reservation please contact Jim Geist at [jim.l.geist@sherwin.com](mailto:jim.l.geist@sherwin.com) or 724-933-1900 x104 by September 10.

SEPTEMBER 15, WEDNESDAY

**SMPS 'Slots Impact on Our Region'** Confirmed Speakers include State Senator Jay Costa and Mike Jeannot of Magna Entertainment. For further information please contact Jackee Ging at 412-394-7889.

See page 13  
for Design Pittsburgh  
2004 dates.

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## ■ BURCHICK CONSTRUCTION CO., INC.\*

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PHONE: 369-9700 FAX: 369-9991  
CONTACT: Joseph E. Burchick  
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WEB SITE: www.burchick.com  
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## ■ R.E. CRAWFORD CONSTRUCTION

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E-MAIL: gkjr@kusevich.com  
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CONTACT: Janet Torriero  
WEB SITE: www.nello.net  
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## ■ TORRIERO CONSTRUCTION

100 Houston Square, Suite 102  
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E-MAIL: gino@torrieroconstruction.com  
WEB SITE: www.torrieroconstruction.com  
**Commercial / Construction management**  
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27th Floor, Pittsburgh, PA 15222-2719  
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**Commercial / Construction management**  
**General / Industrial / Interior / Renovations**

## ■ WJM CONTRACTING, INC.

P.O. Box 1324, Wexford, PA 15090  
PHONE: 724-933-9136 FAX: 724-933-9147  
CONTACT: William J. Gormley, Jr.  
E-MAIL: wgormley@connflettime.net  
WEB SITE: www.wjmc.net  
**Commercial / Construction management**  
**Exterior / General / Industrial / Interior**

## ■ VOLPATT CONSTRUCTION CORPORATION\*

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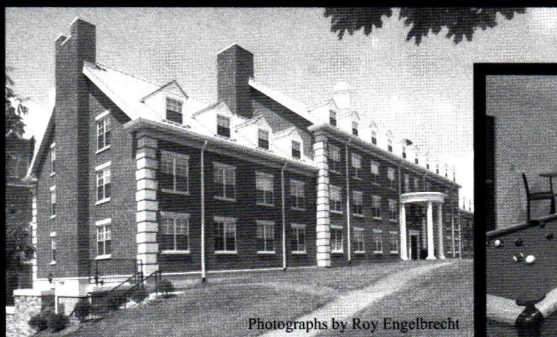


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Telecommunications*

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E-MAIL: BHP@barberhoffman.com  
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## ■ BRACE ENGINEERING, INC.

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CONTACT: Raymond H. Meucci, PE  
E-MAIL: rmeucci@burns-group.com  
WEB SITE: www.burns-group.com  
*Consulting / HVAC / Plumbing / Fire  
Protection / Electrical  
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## ■ CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

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PHONE: 412-429-2324 FAX: 412-429-2114  
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## ■ CJL ENGINEERING

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CONTACT: Matthew R. Sotosky, P.E.  
WEB SITE: www.dynamic-engineering.com  
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1014 Perry Highway, Suite 100  
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PHONE: 412-369-9020 FAX: 412-369-9021  
CONTACT: Tony Moscollic  
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Architects and Engineers  
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PHONE: 412-262-5400 FAX: 412-262-3036  
CONTACT: Emil R. "Jack" Lerch, PE  
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555 North Bell Avenue, Carnegie, PA 15106  
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CONTACT: Glenn Avick  
E-MAIL: gavick@loftusllc.com  
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## ■ MURRAY ASSOCIATES, INC.

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Pittsburgh, PA 15234  
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CONTACT: Dirk A. Taylor  
E-MAIL: pkoval@taylorstructuralengineers.com  
*Structural*

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Pittsburgh, PA 15229  
PHONE: 412-931-8888 FAX: 412-939-2525  
CONTACT: Theodore H. Dannerth, P.E.  
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PHONE: 412-490-0630 FAX: 412-490-0631  
CONTACT: Mark J. Magalotti, P.E.  
E-MAIL: magalottim@transassociates.com  
*Civil / Consulting / Transportation*

## ■ WIDMER ENGINEERING, INC.

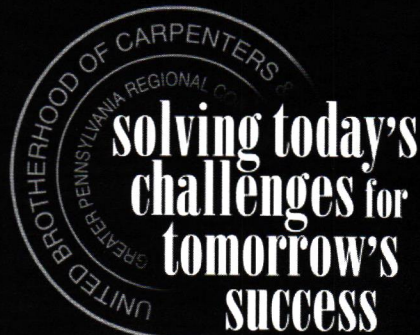
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CONTACT: David H. Widmer, President  
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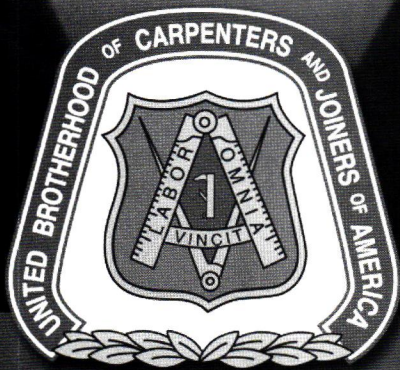
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CONTACT: Daniel J. Dahlkemper  
E-MAIL: diac@erie.net  
**Athletic Sports Complexes, Environmental Green Design, Park and Recreation Planning, Site Master Planning, Ordinance Development**

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524 Locust Place, Sewickley, PA 15143  
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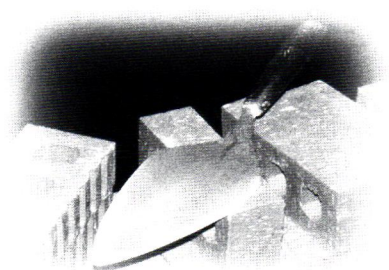
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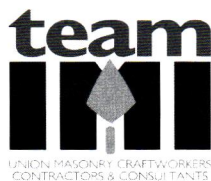
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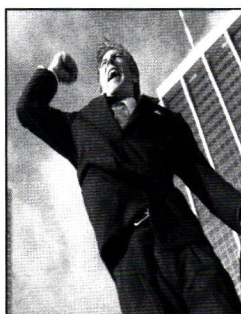
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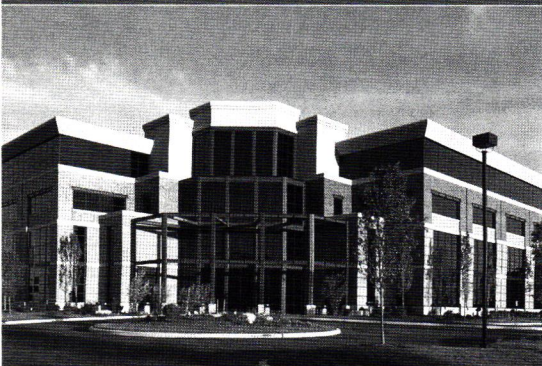
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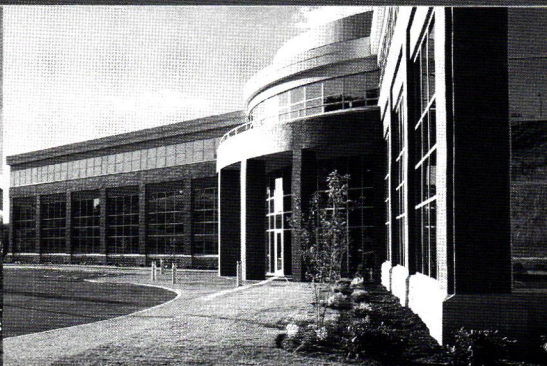
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