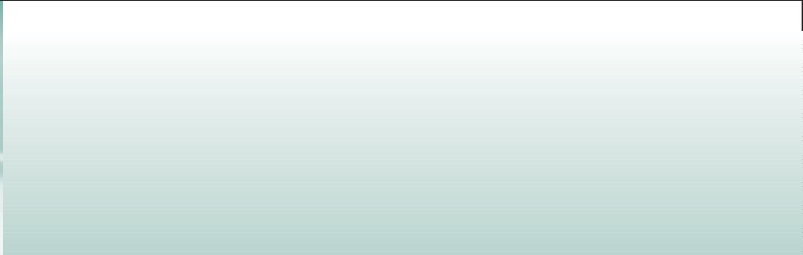
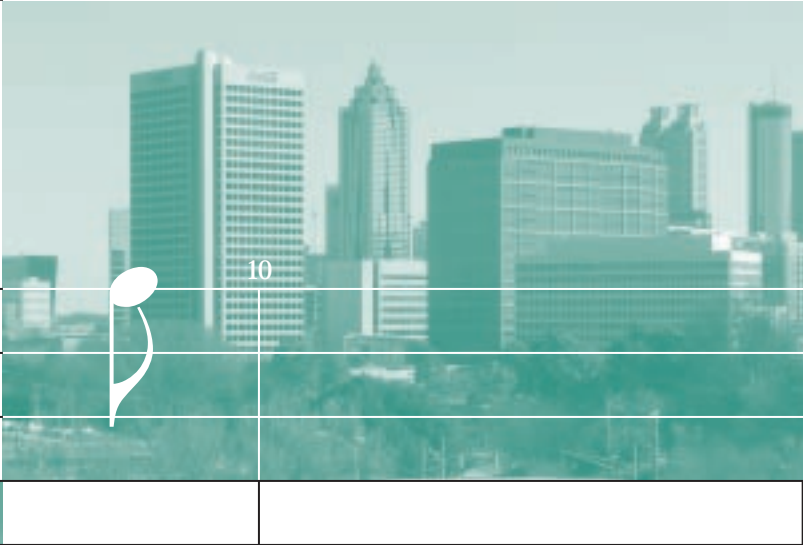
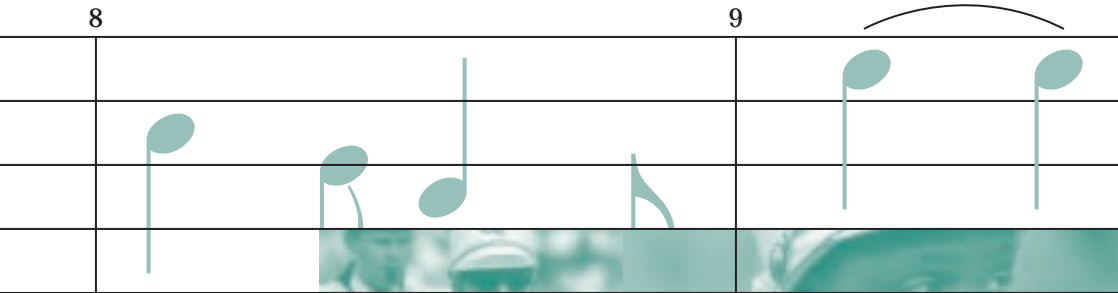


College of Architecture
newsletter

spring2004



ARCHITECTURE
ARTS AND TECHNOLOGY/MUSIC
BUILDING CONSTRUCTION
CITY AND REGIONAL PLANNING
CONTINUING EDUCATION
INDUSTRIAL DESIGN
PH.D. PROGRAM



Letter from the Dean



This particular issue of the College newsletter, in my view, is particularly unique in two respects. First, perhaps more than most previous issues, it communicates in its reporting the richness of student life in the day-to-day operations of the College. One can sense from the various stories the pervasiveness of the hands-on learning experiences of our students, ranging from our doctoral students in courthouse research; the ArchiTECH Program at Kittredge Magnet School; the active living by design project; the Atlanta Botanical Garden Exhibition; the Industrial Design anthropometry and light sculpture projects; the projects and awards of our Architecture and Building Construction students; the stu-

dio class projects and the awards of our City and Regional Planning students; and the engagement of our students in the various research centers of the College, particularly the Advanced Wood Products Laboratory and the Center for Assistive Technology and Environmental Access.

Second, and equally unusual in its amount and scope, are the reported successes of College alumni in their respective careers. These extend from Michael Arad (M.Arch 1999) and the selection of his scheme for the World Trade Center Memorial to the contributions of Howard Wertheimer (B.S.1981, M.Arch 1985) and Ryan Gravel (B.S. 1995, M.Arch/M.C.P. 1999) in Atlanta, to Tom Spector (M.Arch. 1982) and Robert Bruhns (M.Arch 1988) in higher education, to name just a few.

However, in both instances, for past as well as current students, these achievements and experiences have been made possible by two most important factors: the ability of the College of Architecture at Georgia Tech to attract the very best students and the very best faculty possible; and the support of our alumni and friends in the design and building industry, financially, as well as through advice and help in enabling the College's pur-

suits of excellence. Thus, the ongoing work of the College's Development Council, and the newly formed Advanced Wood Products Laboratory Advisory Board, is particularly indicative of the continuing strength of that support.

But with these achievements, there is also sadness in the loss of former college faculty, such as Ed Moulthrop and John Charles Gould. However, their legacies, in addition to their own personal achievements, are revealed to me clearly in the two above incidences—the learning experiences of our present students and the present successes of former ones.

Sincerely,

Thomas D. Galloway, Ph.D., AICP
Dean and Professor

snap shots



As a part of the campus-wide Family Weekend, the College of Architecture hosted a Parent's Day Reception September 19 in the College atrium, where parents joined their sons and daughters for a taste of campus life. Parents interacted with faculty and staff and got a chance to view student work on exhibit from the Architecture, Industrial Design, City and Regional Planning, Building Construction, and Ph.D. programs.

College News



The College of Architecture hosted an open house to celebrate the formation of the Center for Quality Growth and Regional Development in February. Through the Center, the College will conduct research and promote the development and exchange of ideas on the impacts of land use and development patterns on transportation, air quality, water resources, and quality of life. For more information on the Center, visit www.coa.gatech.edu/cqgrd/.

College of Architecture Hosts Elementary After-School Program



During fall semester, the College of Architecture (CoA) hosted an after-school enrichment program for sixth graders at Kittredge Magnet School for

High Achievers, a DeKalb County public school. Taught by Ph.D. students Dawn Haynie and Daphne Degazon Hobson, working closely with Kittredge art teacher JoAnn Cox and CoA Professor Charles Rudolph, the ten-week program introduced basic design principles to twenty would-be architects.

Students in the after-school program, called ArchiTECH, learned design principles by studying the theories and sketches of Leonardo da Vinci. In one assignment, they investigated typical human proportions as illustrated by da Vinci's Vitruvian man. Then, using architectural tools such as scales, triangles, and T-squares, they worked in small groups to design full-size cardboard chairs able to accommodate the weight and size of an adult as well as a child. During the project, Haynie and Hobson introduced the concepts of loads and forces and helped students explore basic structural forms such as columns, beams, and bracing.

JoAnn Cox, recently named Elementary School Art Teacher of the Year for Georgia, helped the ArchiTECH students experiment with clay models and encouraged them to sketch in their notebooks. She also organized a field trip to Georgia Tech, where Professor Rudolph conducted a walking tour to show students new construction on campus as well as the design studios in the College of Architecture.

"JoAnn and her students were wonderful to work with," said Carol Whitescarver, director of Continuing Education for the College and developer of the ArchiTECH curriculum. "It was amazing to watch ten-year-old minds work. Some of the students caught on so quickly to the notion of scaled drawings, proportion, and reducing three-dimensional objects to two-dimensional drawings. It was easy to imagine them growing up to be engineers. Other students were more focused on the aesthetic issues—architects in the making."

The ArchiTECH program is currently being documented and packaged for replication. "We'd like to offer the program to other schools and to develop follow-up programs," said Whitescarver.

Students Study Art, Architecture in Italy

Students in the College of Architecture and throughout Georgia Tech can study the art and architecture of Italy in the College's study abroad program. The program offers concentrated study of the buildings, sites, and museums where works by Michelangelo, Uccello, da Vinci, Brunelleschi, and Caravaggio were originally carried out. In addition to painting, sculpture, and architecture, attention is given to the urban context, extending from classical antiquity through the Renaissance and late Baroque periods. Through intensive study of sites including the Roman Forum, Pompeii, Herculanium, Hadrian's Villa, the Vatican Museum, and the Basilica of St. Peter, students gain a deeper understanding and appreciation for the role that Italy played as the artistic, engineering, and political cornerstone of the Western world.



Unlike a classroom setting—where issues such as site context and scale are virtually absent from discussion of the arts—this program provides students with the opportunity to study art and architecture within its historical context and as a part of lived experience.

"The College's summer program in Italy was one of the most amazing experiences I've had while at Georgia Tech," said Laurel Manross, an Industrial Design student. "The curriculum is taught in an inspiring and interesting manner. What I learned on foot in the Roman Forum in one day is far greater than what I would learn after an entire semester in

the classroom. And that was just one day; don't forget about the Coliseum, Brunelleschi's dome, and Michelangelo's David. Did my feet hurt? Yes. But that was a small price to pay for what I gained: knowledge, culture, and friendships to last a lifetime."

The program—directed by Elizabeth Dowling and Athanassios Economou, associate professors, and Douglas Allen, professor and associate dean—allows students to study art and architecture in Rome, Florence, Siena, Vicenza, and Venice, Italy.

Grant Funds Research to Improve Wheelchairs



Randy Bernard, right, discusses wheelchair design and mobility challenges with James Dodd, a resident of Wesley Woods at Emory University.

A new research center aimed at improving quality of life for people who use wheelchairs recently was formed with a grant from the National Institute on Disability and Rehabilitation Research (NIDRR). The center—called the Rehabilitation Engineering Research Center for Wheeled Mobility—will be operated by the College of Architecture's Center for Assistive Technology and Environmental Access (CATEA).

NIDRR currently sponsors twenty-two such centers throughout the United States. Each focuses on a different area of disability and works to generate, disseminate, research, and promote new knowledge that improves the options available to people with disabilities. The new research center on wheeled mobility is the third for Georgia Tech, which was awarded centers focusing on mobile wireless technologies in 2001 and on workplace accommodations in 2002.

The wireless center is located at Georgia Tech's Centers for Advanced Telecommunications Technology (GCATT), while the workplace and mobility centers are both housed at CATEA.

The primary goal of the mobility research center is to identify the needs of a wide variety of wheelchair users and develop appropriate products to meet their needs. Another important goal is to make sure that all products developed will be commercially viable so they will be made available to the people who will benefit from them the most.

"We hope to create a major shift in the way wheeled mobility is conceptualized and understood, from the design of assistive devices to the design of a broad range of interventions that enable as many individuals as possible to actively engage and participate in everyday community life," said Stephen Sprigle, director of CATEA and co-director of the mobility research center.

To accomplish this goal, the center pulls together an extensive team of collaborators including researchers, clinicians, designers, and trainers experienced in wheelchair mobility issues. "All research

College News

projects within the center are linked to the development of devices or interventions which enable us to extend the state of the art in research and have tangible outcomes,” said Sprigle. “That transition from research to development is what makes this project so unique.”

Research activities will be varied and range from identifying the mobility needs of wheelchair users to studying the impact of perceived and actual barriers on everyday mobility. The project team also will study the feasibility of using computer animation for improving wheelchair user training. Computer animation is already being used in a variety of training environments from the military to sports, and it has potential to help new wheelchair users.

“Computer animation can give a person real-time feedback on their movements and allow the user to view himself from different perspectives whether in a side view or overhead,” said Sprigle. “We will look at the viability of using computer animation as a training tool to see if it can make training more efficient and effective in helping people to develop better functional skills and create a safer environment for the wheelchair user.”

The project team is working with the industry partners to design and develop new generations of products that will better fit the needs of people who use wheelchairs. One of the first products the design team will tackle is a dynamic seating system for people who experience uncontrolled spasms. The goal is to develop a device that will absorb energy from spasms while holding the user in a proper seating position.

“Currently, there are no truly functional devices on the market available to meet the needs of this specific user group,” said Randy Bernard, co-director of the research center. “This new product will flex and bow to help a person with spasms remain in their proper seating position. While the system will be flexible, it will also be strong enough so that there will be less of a chance for component breakage.”

The design team also is developing a wheelchair designed specifically for the elderly, one of the largest wheelchair user groups. This long-awaited wheelchair design promises to increase safety and functionality for users and increase the life and durability of products over time. The new chair design will respect the needs of the elderly—whether they live in the community or in a nursing home—while trying to increase their independence. The design will also incorporate safety features that will lower a person’s risk of falling due to improper use of the wheelchair.

“There are a number of geriatric chairs on the market, including some that are very inexpensive with few features and some with an abundance of features that are very costly,” said Bernard. “Our goal is to develop a manual wheelchair that incorporates safety and positioning features while keeping the cost down.”

The research center’s lead partners are Shepherd Center and Wesley Woods at Emory University, both in Atlanta. Other research partners include Duke University and Washington University. Additional clinical partners include Children’s Healthcare of Atlanta, the University of Michigan Health Sciences System, Mary Free Bed Rehabilitation Center in Michigan, and the Veterans Administration Medical Center in Augusta, Georgia.

The project’s directors will also work with a group of industry partners that includes Motion Reality, Motion Concepts, Sunrise Medical, and Z Therapeutics on the development and design of new products.

For more information on the mobility research center, contact Randy Bernard at 404.385.4691 or by e-mail at randy.bernard@catea.org. For more information on CATEA, visit www.catea.org.

Diego Joins Dean’s Development Council



Ignacio Diego, president of Euramex, recently joined the Dean’s Development Council, an advisory and development board comprised of distinguished alumni and friends.

Diego received his master’s degree in business law, marketing, and accounting at the University of Madrid. Since 1984, he has served as president of Euramex, a private group of companies involved in various aspects of real estate including development, asset management, and construction. Euramex also has been a pioneer in property management by using technology to offer tenants Internet-based network installations and an in-house Internet service provider. The Euramex portfolio has included residential condominiums, town homes, single-family attached and single-family detached dwellings, apartments, commercial retail anchored shopping centers, office parks, and office condominiums.

Dean Thomas Galloway established the development council in 1994 with thirteen members. Over the years, the size of the council has grown. It now has thirty-eight members who are distinguished professional and community leaders. In accordance with the College’s long-range strategies for academic excellence, the group serves as a sounding board for the dean in an advisory capacity as well as the central fundraising arm of the College.

In Memory

Ed Moulthrop (1916 – 2003)



Ed Moulthrop, a former faculty member and renowned innovator in contemporary woodturning, passed away in September. He was eighty-seven.

After graduating with a master’s in fine arts from Princeton

University in 1941, Moulthrop moved to Atlanta to teach architecture at Georgia Tech. He left Tech in 1946 to join Robert and Company Associates, an architecture and engineering firm where he eventually became the lead designer. In 1972, after leaving Robert and Company, Moulthrop formed his own architecture firm. During the time spent as an architect, he designed many university and public buildings throughout Georgia, including The Carillon at Stone Mountain and the Boisfeuillet Jones Atlanta Civic Center.

In 1976, Moulthrop gave up architecture to become a full-time turned wood artist. Always pursuing the beauty of his art, Moulthrop became one of the premier woodturning artists in the world. He was a self-taught master craftsman who bought his first lathe at the early age of fifteen.



Moulthrop had a true artist’s eye. “Ed had an innate understanding of wood and its grain,” said Dean Thomas Galloway. “His dedication and love of woodturning can be seen in the subtle shape of his bowls, the quality of the surface, and the color of the finished wood.”

Moulthrop used native southernwood for his bowls. However, he never cut down trees specifically for them. He had a network of tree-cutters who would bring him the specimens that had color and patterns he preferred from downed trees that would otherwise have been discarded.

His favorite designs were the globe and ellipses for larger bowls and the donut bowl, lotus shape, and the open cup shape for smaller bowls. Moulthrop’s work is represented in many permanent collections including the Museum of Modern Art in New York City, the Boston Museum of Fine Arts, the Metropolitan Museum of Art, New York City, and the permanent collection of the White House.

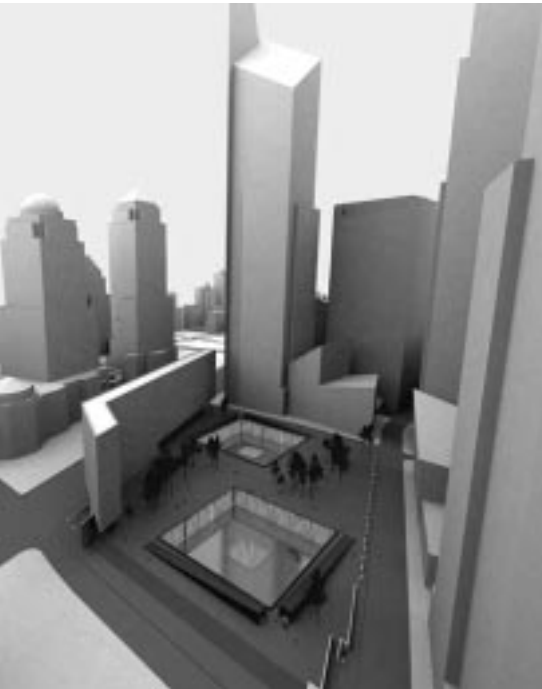
“Ed was a great friend of the College and Georgia Tech and a wonderful architect and artist,” said Dean Galloway. “He will be missed.”

Moulthrop is survived by his wife, Mae; three sons, Mark of Chicago, Philip of Atlanta, and Samuel of South Orange, N.J.; and five grandchildren. Son Philip and grandson Matt are continuing his legacy, taking woodturning in their own directions.

You can find a selection of our past newsletters online at www.coa.gatech.edu/news/coanewslet.htm

Alumni News

Alumnus’ Design Chosen for Future World Trade Center Memorial



Arad's Reflecting Absence was one of eight finalists in the World Trade Center Memorial Competition.

Following an eight-month international competition that drew more than 5,000 entries, a memorial designed by alumnus Michael Arad has been chosen as the future World Trade Center Memorial in New York City.

Arad, who graduated from Georgia Tech in 1999 with a master's degree in architecture, designed Reflecting Absence: A Memorial at the World Trade Center Site for the International World Trade Center Site Memorial Competition, launched in April 2003.

His original design includes reflecting pools and waterfalls in the footprints where the former World Trade Center towers once stood. It will be built in memory of all the victims of terrorist attacks on September 11, 2001, and of the six people killed in the 1993 World Trade Center bombing.

"I am very honored and overwhelmed by the news that the jury has selected my design," Arad said. "I hope that I will be able to honor the memory of all those who perished and create a place where we may all grieve and find meaning."

"I will do my best to rise to the enormity of the task at hand. It is with great humility that I regard the challenges that lie ahead—and it is with great hope that I will find the strength and ability to meet them," he added.

In what became one of the largest design competitions in history, 5,201 submissions were received from sixty-three nations and forty-nine states, according to the Lower Manhattan Development Corporation. A thirteen-member memorial jury chose Arad's entry as the winning design.

The competition's jury includes world-renowned artists and architects, a family member of a person killed on September 11, a lower Manhattan resident and business owner, representatives of New York's governor and New York City's mayor, and other prominent arts and cultural professionals.

"I think he did a magnificent job of sorting through all the many different interests and requirements needed for this memorial at this site," said Doug Allen, associate dean of the College. "His is a quiet scheme. It's a complex and difficult thing to pull off at this particular location, and for someone at his age to design this scheme and have it chosen is truly significant."

Vartan Gregorian, chairman of the jury that selected Arad's design for the memorial, said, "In its powerful, yet simple articulation of the footprints of the Twin Towers, Reflecting Absence has made the gaping voids left by the Towers' destruction the primary symbol of loss. While these voids still remain empty and inconsolable, the surrounding plaza's design has evolved to include teeming groves of trees, traditional affirmations of life and rebirth."

"The result is a memorial that expresses both the incalculable loss of life and its regeneration," Gregorian said. "Not only does this memorial creatively address its mandate to preserve the footprints, recognize individual victims and provide access to bedrock, but it also wonderfully reconnects this site to the fabric of its urban community."

Officials said that Arad's winning design has evolved significantly since the eight finalists were placed on exhibit at New York City's Winter Garden in November 2003, and more changes are expected before it is built.

Arad's current Reflecting Absence design includes reflective pools set into the ground to cover the World Trade Center's footprints. Each pool is fed by a waterfall around its edges, and names are engraved in the stone around them. The pools also are surrounded by pine trees and stone paths.

Arad lives in the East Village in New York City with his wife, Melanie, who graduated in spring 1997 from the City and Regional Planning Program at Tech. They have an infant son, Nathaniel.

College Hosts Third Annual Dean's Symposium for Homecoming 2003

The Alumni Committee of the College of Architecture celebrated Homecoming 2003 in October with the third annual Dean's Symposium on Professional Practice and a reception for alumni and friends. Both events took place at BellSouth Corporation's new Midtown II Center campus, directly across West Peachtree Street from Technology Square. A component of BellSouth's Metro Plan, this new corporate facility was developed by Carter & Associates and designed by Thompson, Ventulett, Stainback & Associates (TVS&A), and Richard+Wittschiebe Architects.

The evening's events opened with outgoing President John Fischer's introduction of the committee's new officers for the next year. Raymond Clark, AIA, (B.Arch 1977, M.Arch 1978) is the new president; Rick Hunt (EE 1992, Music Program alumnus) is the new vice president/president-elect; and Steve Foster (B.S. BC 1977) is the new secretary/treasurer.

Focusing on the changing nature of professional practice, the symposium addressed the unique challenges posed by transit-oriented development projects by examining BellSouth's Metro Plan. Dean Thomas Galloway moderated a panel discussion by Richard Gilbert, P.E., director of corporate real estate and services at BellSouth; Dan Fitzpatrick from Carter & Associates; Ray Hoover, AIA, from TVS&A; and Catherine Ross, the new director of Tech's Center for Quality Growth and Regional Development.

After the symposium, attendees enjoyed a reception in the Midtown Center's lobby and foyer, where they were serenaded by Discrete Notoriety, a saxophone quartet of students from the College's Music Program.

Institute Needs Alumni To Help Recruit President's Scholars

Alumni volunteers are needed to help recruit the best and brightest students from all over the world to attend Georgia Tech. Alumni can do this by volunteering in one of the following ways:

- Attending college fairs and answering students' questions about life at Georgia Tech
- Acting as a liaison between the Institute and high-caliber students
- Interviewing potential scholarship prospects
- Participating in the Club Scholarship program
- Welcoming incoming students to Tech
- Hosting send-off parties in the summer

Last year, more than eighty alumni volunteers attended 140 college fairs that could not have been visited by Tech's Office of Admissions staff. Personal contact with these students made a tremendous difference in recruiting top-notch students. The President's Scholarship Program awards scholarships to approximately sixty outstanding high school students per year. For more information on how you can help, visit www.enrollment.gatech.edu/psp or call 404.894.1615.

Gravel's Beltline Project Continues to Gain Support



A master's thesis project by Ryan Gravel (B.S. 1995 M.Arch/M.CP 1999) continues to gain support from neighborhood associations, community leaders, environmentalists, developers, and other groups interested in Atlanta's quality of life.

Gravel's thesis, "Belt Line Atlanta—Design of Infrastructure as Reflection of Public Policy," suggests a light rail loop and pedestrian greenway circling Atlanta's intown neighborhoods on existing railroad rights-of-way. The pathway would be twenty-two miles long, connecting five MARTA stations and running through more than 4,000 acres of redevelopment that would accommodate up to 100,000 new urban residents in transit-oriented districts. More than forty historic neighborhoods line the way.

The Belt Line was presented by Atlanta City Council President Cathy Woolard at October's 2003 Rail-Volution conference held in Atlanta. Woolard debuted a promotional video created pro bono by local filmmaker Bill VanDerKloot and narrated by Jane Fonda. The video can be seen online at www.cathyatlanta.com.

A feasibility study funded through the Atlanta Regional Commission (ARC) and MARTA is currently under way and should be completed in the fall of 2004. The Belt Line is included in the ARC's Mobility 2030 Regional Transportation Plan as well as the Georgia Regional Transportation Authority's Draft Regional Transit Action Plan.

Support from metro area communities, business leaders, and government officials is still needed to ensure that the proposal remains in those plans and becomes a priority for the region. The Belt Line is more than just a transportation project; however, and other avenues are being explored to avoid the headaches of competing for limited transportation funding in the Atlanta area. To that end, the team hopes to soon launch Friends of the Belt Line, a nonprofit organization that will become a facilitator for hundreds of issues that need to be addressed including standards of quality for the creation of this new linear public space.

Alumni and Ph.D. News

Alumni News continued

Wertheimer Receives Ashford Dunwoody YMCA 2003 Volunteer of the Year Award



The Cowart Family/Ashford Dunwoody YMCA has named Howard Wertheimer (B.S. 1981, M.Arch 1985) its 2003 volunteer of the year. The volunteer of the year is an annual award given to an especially esteemed volunteer from each Metro Atlanta YMCA branch.

Wertheimer, one of the principals at Lord, Aeck & Sargent, has volunteered at the YMCA for seven years in various areas. He began by helping to develop the soccer fields and now serves as board chair.

Wertheimer's other community involvement includes the Atlanta Jewish Community Center, the board of trustees at Ahavath Achim Synagogue, volunteer coach of BBYO Girls Basketball, and venue coordinator for the 1996 Olympics. He and his wife, Carla, live with their two daughters, Marissa and Alex, and son, Cody, in Dunwoody.

Bruhns Spends Academic Year in Italy



Robert Bruhns, joined by wife Karen, will spend the 2003-04 academic year in Genoa, Italy.

Robert A. Bruhns (M.Arch 1988) accepted a position as professor-in-residence at the Charles E. Daniel Center for Urban Studies and Building Research, located in Genoa, Italy, for the 2003-04 academic year. Clemson University's College of Architecture founded the program in 1973 as a study abroad opportunity for its students.

"I appreciate having the opportunity to live within the context of the sites that we study," said Bruhns. "It has been interesting to witness daily life in this country and see how the people of Italy regard, preserve, maintain, and negotiate their cultural heritage."

Catching Up with Tom Spector



After graduating from Tech in 1982 with a master's degree in Architecture, Tom Spector worked with Rick Sibley at Rabun, Hatch, and Denny, and then Chapman, Coyle, Chapman, and Associates for three years. In 1985, Spector moved back to his hometown of Rome, Georgia, and worked primarily in partnership with a contractor in a design-build company.

Spector was interested in teaching, so he returned to school and in 2000 received his Ph.D. in architecture from the University of California, Berkeley. "My thesis was an attempt to bring ideas from moral philosophy to bear on the many significant decisions affecting the public welfare that we as architects are asked to make," said Spector.

He now teaches the comprehensive design studio, two professional practice courses, and an elective called "The Ethics of the Built Environment" at Oklahoma State University's School of Architecture.

His book, *The Ethical Architect: The Dilemma of Contemporary Practice*, was published in 2001 by Princeton Architectural Press. "I still carry a lot of Tech experiences with me all the time," said Spector. "I feel like my professional career began when I entered Tech, and not after I graduated."

Ph.D. Program

Graduate Students' Project Wins First Place in Design Competition



Last summer, a group of current and former Architecture students participated in the competition for the "Tremendous Tree House Exhibit" at the Atlanta Botanical Garden. The group included Ph.D. student Sharon Tsepas, master's student Chris Legate, and undergraduate David Bucciero as well as Jack Ames (M.Arch 1990) and Lynn McLendon, ASLA.

As a part of the competition, the group was asked to submit a design for one of eleven available tree sites. A competition requirement for the tree house was that none of the materials could harm the tree (no use of nails or other abrasive materials). Other factors for judging included accessibility, creative use of materials, durability, and interactive nature.

Judging took place in February 2003 and eleven out of fifty-one designs were selected for construction. After winning one of the eleven slots, the team began construction in May. The grand opening of the exhibit was held on June 15, 2003. The project won a first place award in the Student Design Competition from the Society of American Registered Architects (SARA). Tsepas was on hand to accept the award at the SARA annual conference in New York City in September.

The group's concept was to explore the relation-

ship between architecture and nature. It was a study of movement, structure, and form both in plan view and through three-dimensional elements. This idea was generated from the tree, the site topography, and the winding motion of the stairs around the tree. The tree provided structural support for the ramp and platform through the use of a cable, arch, and railing suspension system. Tree Tectonics engages the user in an active experience of the environment mediated through architecture. The geometries, curves, and structural elements of the tree house expressed the dialectic balance of nature, and the elevations provided a variety of perspectives from ground to canopy.

Ph.D. Faculty, Students Develop Courts Information Database

Professors Craig Zimring and Athanassios Economou and their graduate students are developing an innovative Web site for the Administrative Office of the U.S. Courts (AOUSC) and the General Services Administration (GSA). The function of the project is to provide a site that houses information for the judiciary, GSA, and GSA-contracted architects and engineers who design U.S. courthouses and annexes or renovate existing structures. The Web site will offer a wide variety of information on the design and development of United States courthouses and courtrooms. It also provides easy-to-use navigation to view and experience courtrooms through a virtual medium.

The current and previous members of the research team include Professors Craig Zimring, Athanassios Economou, and Michael Gamble, and Ph.D. students Mallika Bose, Jessica Concha-Mosera, Saleem Dahabreh, Fehmi Dogan, Anjali Joseph, Jaemin Lee, Jeff Livingston, Benjamin Manning, Geoffrey Maulion, Hyeun Jun Moon, Gayle Nicoll, Debajyoti Pati, Jackie Schmidt, Sarah Steger, Tarang Taunk, and Donghoon Yang.

Active Living by Design: Creating Activity-enhancing Residential Settings

A research team is examining the role of architecture, urban design, and interior design in encouraging physical activity in older adults. The team includes College of Architecture Professors Ruth Dalton and Craig Zimring and Ph.D. student Anjali Joseph, along with Lauren Harris-Kojetin and Kristin Kiefer, from the American Association of Homes and Services for the Aging (AAHSA), Institute for the Future of Aging Services. The project examines what makes an activity-friendly environment, especially in continuing care retirement communities.

"Regular physical activity can allow older adults to be independent longer and helps in preventing chronic diseases and maintaining health," said Dalton. "Only twenty-five percent of Americans achieve the Center for Disease Control and Prevention's recommendation of thirty minutes of moderate activity five days per week, and Americans over age fifty are the most sedentary segment of the population. Keeping this older population healthy and independent for as long as possible is extremely important for improving their quality of life as well as to prevent or delay institutionalization."

The Robert Wood Johnson Foundation is funding this collaborative project between Georgia Tech and AAHSA. As a part of the project, a survey is being conducted of administrators, program directors, and other key staff at about 1,000 continuing care retirement communities to help researchers understand barriers to, and enablers of, physical activity.

Architecture News

Architecture Program Spring 2004 Public Lecture and Exhibition Series

Lectures Spring 2004

All lectures are given on Wednesdays at 5:30 p.m. in the College of Architecture auditorium, unless otherwise noted. Please call 404.894.4053 to be placed on the e-mail announcement list for lectures and exhibitions.

James Glymph, Wednesday, March 15

Gehry Partners and Gehry Technologies, lecture sponsored by AIA Atlanta and the Young Architects Forum, Atlanta, time and location to be announced

Wednesday, March 17

Panel Discussion—Objects of Architecture: Works by Georgia Tech Architecture Faculty, curated by Tina Simonton and Frances Hsu, exhibition at the Atlanta Contemporary Art Center

Maurice Cox, Wednesday, March 27

University of Virginia/Mayor of Charlottesville
This Saturday lecture is part of the Structures of Inclusion conference.

Sulan Kolatan and Bill MacDonald, March 31

Kolatan/MacDonald Studio,
NYC/Columbia University

Judith Rohrer, Wednesday, April 7

Emory University

Exhibitions Spring 2004

Upcoming Exhibitions at the
Atlanta Contemporary Art Center
535 Means Street, Atlanta

“Under Different Circumstances: Installations by Atlanta’s Gallery Artists”

January 14 to March 18

Curated by Lisa Kurzner
Opening Reception on Friday, January 16

“Objects of Architecture: Works by Georgia Tech Architecture Faculty”

February 7 to March 18

Curated by Frances Hsu and Tina Simonton
Opening Reception on Friday, February 6, 7-9 p.m.

“Kolatan/MacDonald Studio”

April 3 to May 29

Opening Reception Saturday, April 3, 7-9 p.m.

“So Atlanta: Artists Respond to the Contemporary City”

April 3 to May 29

Curated by Helena Reckitt and Felicia Feaster
Opening Reception Saturday, April 3, 7-9 p.m.

“Summer Solos: Michael Oliveri, Video Installations; Prema Murthy, New Work”

June 19 to August 7

Curated by Helena Reckitt
Opening Reception Friday, June 18

Architecture and Art: Special Exhibitions

The relationship between architecture and art is being explored this year in several exhibitions. Chris Jarrett, associate director, and Ruth Dusseault, visiting assistant professor and artist-in-residence, curated a traveling exhibit entitled “Terrain Vague: Photography, Architecture, and the Post-Industrial Landscape.” This collection of photographs from the 1970s through the present includes images of unnatural, artificial, constructed landscapes. They

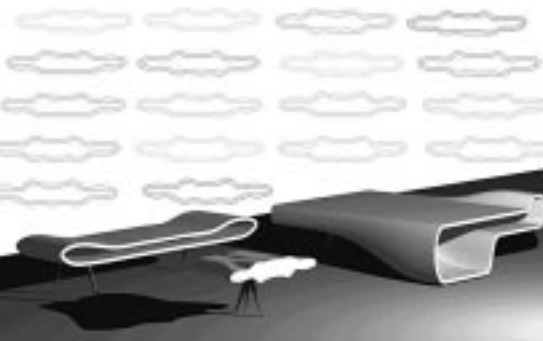
were brought together to honor and challenge Ignasi de Sola-Morales’ statement that art’s impulse is “to preserve these alternative, strange spaces” while architecture and urban design desire to project order and familiarity upon them. The show was exhibited at the Atlanta Contemporary Art Center from November 15 through January 3 and will be at the Carnegie Museum of Art, Heinz Architectural Center, in Pittsburgh, March 20 through June 20.

Architecture Program faculty will be offered a chance to demonstrate their own opinions on the subject in a faculty show at the Contemporary. “Objects of Architecture,” curated by Frances Hsu and Tina Simonton, invites faculty to exhibit tangible objects of their production rather than reproduced representations.

In addition, five artists on the Tech faculty have been invited to exhibit in a juried show curated by Barton-Leeds at the SunTrust Plaza Gallery in Atlanta from April 9 to June 17, 2004. “FIVE from Georgia Tech: Five Media, Five Artists” will feature recent work by Harris Dimitropoulos, Mark Cottle, Ruth Dusseault, and Tina Simonton (from the Architecture Program) together with Sha Xin Wei (from Literature, Communication, and Culture).

The gallery, located in SunTrust Plaza, 303 Peachtree Street, will host two public receptions from 5:00 p.m. to 8:00 p.m. on May 6 and June 3. For more information, please call the gallery at 404.816.9777.

AWPL-Architecture Collaboration Bridges Physical and Digital



Architecture Program faculty and students have an expanded opportunity to explore CAD-CAM production, especially at the scale of furniture, thanks to the Advanced Wood Products Laboratory (AWPL). This spring, Harris Dimitropoulos’ master’s project students will test a dozen new wired workstations produced by the AWPL. The wired workstations are intended to support hand-drafting and model-building, side by side with digital production. A grant from the dean’s office covered the cost of the test studio. Interest in furniture design has also spurred plans for an interdisciplinary certificate in furniture design and production, to be jointly offered by Architecture and ID, making use of the AWPL. Jude LeBlanc’s class “Furnishing Buildings/Building Furniture” pushes students to develop strong conceptual ideas for new furniture designs. Tina Simonton’s class requires production of finished pieces and an understanding of how the making of the piece influences its design. Alan Harp offers a class that focuses on mass production.

Faculty members Jude LeBlanc and Michael Gamble also use the AWPL to bridge the physical and the digital in their creative work. With a Georgia Tech Foundation grant, LeBlanc is investigating energy-efficient production of furniture. Gamble, along with graduate students Mehul Patel and Matt Weaver, is researching new furniture manufacturing techniques.

Harrison Visiting Scholars Add Diversity to the Program



This spring, Anne Fairfax of New York-based Fairfax & Sammons will be the 2004 Harrison Visiting Scholar in historic preservation and adaptive re-use. She is co-teaching a graduate studio with Michael Kleeman (M.Arch 1995),

who was the 2002 winner of the J. Neel Reid prize.

Under Fairfax and Kleeman’s guidance, students will visit Charleston, South Carolina, to work on historic district guidelines for a square in the city and develop individual designs for a new residential hotel. The students will be able to draw upon Kleeman’s scholarship and Fairfax’s experience in highly detailed traditional design.

Harrison Design Associates endowed the visiting scholar program to broaden studio offerings and create a greater engagement with traditional design. Gene Surber (B.S. Arch 1961, B.Arch 1965), principal of Surber, Barber, Choate, Hertlein Architects of Atlanta, was the inaugural visiting scholar. He challenged graduate students to un-do the historically inappropriate lower floor renovations of Tech Tower, analyze the original building’s design, and come up with new proposals for today’s uses. Students presented their work to an enthusiastic Don Giddens, dean of the College of Engineering. The students also worked on proposals for Barrington Hall in Roswell to allow the historic white-columned mansion to accommodate weddings and other events. Students learned about integrating twenty-first century interventions into eighteenth century construction.

Mark Robbins: 2003 TVS Distinguished Critic



Through the generosity of the partners at Thompson, Ventulett, Stainback & Associates (TVS&A), the Architecture Program is in the second year of the TVS Distinguished Critic program. This year’s 2003 TVS Distinguished

Critic was Mark Robbins, noted architect, artist, and arts administrator. Robbins was trained in anthropology and film at Colgate University before he studied architecture at Syracuse University. His projects explore the complex social and political forces that contribute to the built environment. Robbins’ notable awards include the Rome Prize from the American Academy in Rome and a fellowship in the visual arts from the Radcliffe Institute for Advanced Study at Harvard University. An associate professor in architecture at Ohio State University from 1990 to 1999, he has been the Shure Visiting Critic at the University of Virginia and will be a visiting critic at the Harvard Design School in the spring of 2004.

Between 1999 and 2002, Robbins was the director of design at the National Endowment for the Arts, where he developed a program to strengthen innovative design in the public realm. At Georgia Tech, Robbins co-taught a graduate housing studio with Mark Cottle, gave a public lecture on his work, and mounted an exhibition of his photographs, “Household Places,” at the Atlanta Contemporary Art Center. His studio allowed students to explore the various forms of urbanity in Atlanta and to propose innovative ways of inhabiting them. “With its rapidly growing perimeter and renewed interest in downtown development, Atlanta is typical of many cities nationwide,” Robbins said. “Inventive approaches to this complex setting yielded lessons beyond the studio and the geographic limits of the city.”

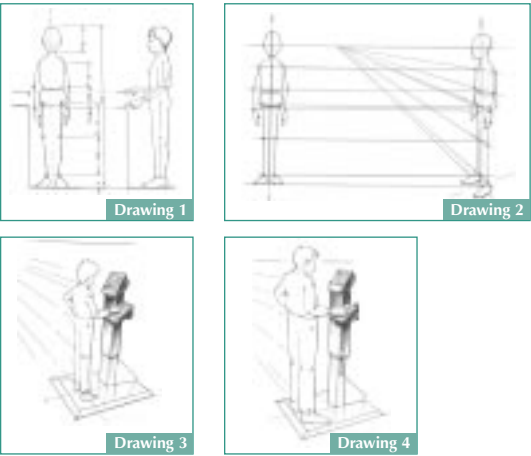
Industrial Design News

Figure Drawing Technique Aids in Designing Success

Kevin Reeder, assistant professor in Industrial Design, has developed an anthropometric figure drawing technique to teach his students to sketch the human figure in anthropometric scale.

In order to design products that have a more universal appeal and greater chance of success, designers need to consider the user group's body dimensions (anthropometric data). This will allow them to quantify how users differ in shape and size.

"In the process of designing a product, the appropriate time to address issues of size and fit is in the concept development phase when ideas are explored using quick visualization and problem-solving techniques," Reeder said. His technique allows designers to represent the wide range of human figures. Figures are drawn in a consistent scale in order to make a visual comparison. With practice, the figures can be drawn in poses that compare reach, readability, and other ergonomic issues.



Reeder begins by giving each student the necessary anthropometric data and required poses. The students are then asked to draw a front view of the intended figure with a centerline. (See Drawing 1.)

Using this center as a measuring tool, the student will project joint locations from the front view to a corresponding centerline in perspective and draw perspective lines from the centerline to a vanishing point. Then, the student locates the perspective figure's skeletal joints and an anthropometric stick figure is quickly constructed. (See Drawing 2.)

Using this method, students are able to visualize the size differences from the smaller to the larger user, and alternative anthropometric solutions can be explored in the concept development phase. This results in fuller, more complete concepts that are significantly refined, tested, and finalized within the project schedule. (See Drawings 3 and 4.)

"My goal is to increase our student designer's skill level so they can create innovative products that meet the needs of a large user group," said Reeder. "I also want to give my students a competitive edge in design."

Reeder presented his anthropometric drawing figure technique at the IDSA's National Educators Conference in New York in August 2003 and at Virginia Tech in January 2004. It was also published in the November 2003 edition of *The Technology Teacher*.

Reeder will continue his focus on promoting the importance of using anthropometric data as a means of producing better design. This spring, he will survey educators and practicing designers to determine how they value anthropometrics in design. The results will be used to refine his technique in promoting the value of using anthropometric data.

ID Exhibition Explores Light Sculptures

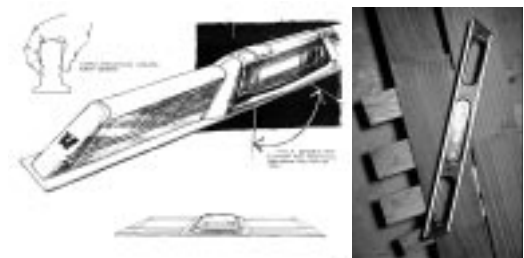


The Industrial Design Program's third-year students hosted an exhibit of their work on light sculptures at dusk on January 16, 2004, on the grounds of the College. During the first two weeks of the semester, the junior class worked on creating a structure that would reflect objects and space. The objective of the project was to translate a design inspiration into a successful sculptural form. Students were given multiple limitations. For example, each structure had to be grounded with a concrete block of specific dimensions, and a standard light bulb had to be used for illumination from within the block.

"The exhibition showcased great creativity and a variety of solutions, including the purely formal solution as well as the conceptual and philosophical solutions," said Florian Vollmer, Industrial Design instructor. "It was a very successful exhibition."



Special Smithsonian Exhibition Showcases ID Innovation



The drawings focus on Reeder's development sketches for the Wedge Innovations SmartLevel Pro and the Smartlevel Series 200.

Work by Kevin Reeder, an assistant professor in Industrial Design, is featured in "Doodles, Drafts, and Designs: Industrial Drawings from the Smithsonian Institution," a traveling exhibit of invention and product development work from two centuries of American innovators. The exhibit offers a fascinating glimpse into inventors' sketchbooks, engineers' mechanical drawings, and architects' renderings from the 1830s to the 1990s.

The artifacts show the origins of some of the most familiar sites and devices of modern-day life. Most of the items in the exhibit are development sketches and idea scribbles people used to help them visualize and develop an idea into a tangible form.

Reeder's work for Wedge Innovations is featured. From 1989 through 1991, he developed ideas and product directions for the company's digital carpenter's levels. "Throughout my work with Wedge Innovations, there was an attempt to express the integration of technology into the tradition and function of a well-known, well-used process or tool," said Reeder. "My challenge was to develop a form that expressed an image of tradition, with advanced technology, so that a master as well as apprentice carpenters would perceive the value of the technology and trust the functional aspects of the level."

For more information on Smithsonian exhibitions, visit www.sites.si.edu.

Scary Valentine's Day Theme Draws Crowd for Annual IDSA Day

The student chapter of the Industrial Designers Society of America (IDSA) held its annual IDSA Day in February. This year's Scary Valentine's Day theme featured a fashion show, sculpture showcase, giant valentine card, and egg drop.

The event offered students and faculty in all levels of studio (sophomore, junior, senior, and graduate) a break from the everyday and allowed students a creative and exciting way to put their design skills to use.

Randomly assigned groups rotated through several workstations throughout the studio period. At each station, there was a design problem to be addressed and solved by each group with the oversight and assistance of an ID faculty member.



Building Construction

Student Chapter of Mechanical Contractors Association Reaches Competition Finals

Georgia Tech's student chapter of the Mechanical Contractors Association of America (MCAA) has been selected as a finalist in the MCAA Student Chapter Competition to be held in Orlando, Florida, during the association's annual convention in March. The six Building Construction students who are members of the Tech chapter will compete for a \$5,000 grand prize with student chapters from California Polytechnic University at Pomona, Illinois State University, and Purdue University.

The MCAA Student Chapter Competition asked ten teams from universities across the nation to create a proposal for the design and construction of a complete mechanical and utility system for a two-story university building located in Miami, Florida. The proposal combined the challenges of design, scheduling, and budgeting along with marketing the teams' imaginary companies.

MCAA's student chapter competition is in its third year and is sponsored by the association's Career Development Committee. The competition was developed to provide students with a realistic project to test their knowledge of mechanical systems, design, and problem-solving skills.

Tech Partners with GSA for Professional Training and Construction Education

Georgia Tech's Building Construction (BC) Program has teamed up with Georgia State University and the General Services Administration (GSA) to deliver bi-monthly seminars focusing on professional

training and construction management education. The seminars will be offered to all GSA Southeast Sunbelt Public Building Service interns, co-ops, and employees.

Students and employees will be educated on real estate and leasing, project delivery systems, legal issues, facility management, risk management, project management, and other construction-related topics. Professional issues covered will include ethics, marketing, communication, and dispute resolution. The seminar program is under the direction of Roozbeh Kangari, director of Tech's Building Construction Program, and Tom Walker, GSA's assistant regional administrator.

A number of BC students are participating in internships and co-ops with the GSA Public Building Service. The Southeast Sunbelt Region serves customers in the states of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee, providing work environments, supplies, telecommunications, and transportation services to federal agencies.

BC to Host 'Business of Successful Contracting' Seminar

The Building Construction Program will host a two-day symposium called the Business of Successful Contracting on May 6 and 7 at the Global Learning Center. Construction industry experts from around the country will give up-to-date information on the best practices that will prepare tomorrow's leaders in general and trade contracting companies.

The talented assembly of speakers includes Hoyt Lowder, senior vice president, FMI; Ken Simonson, chief economist, AGC; Jim Cramer, chief executive officer, Greenway Group; Roger Flanagan, director, Skanska AB; John Heffron, partner, Ernst & Young;

Rob Taylor, vice president and regional manager, Brasfield & Gorrie; Bob Salmon, senior vice president, Holder Construction Company; Lisa Fanto, vice president-human resources, Hardin Construction; Frank Spears, managing director, The Beck Group; and Tom Sawyer, associate editor, ENR.

For more information on this exciting two-day seminar, please contact Carol Whitescarver, director of Continuing Education, College of Architecture, at 404.894.1096, or by e-mail at carol.whitescarver@arch.gatech.edu.

Kim Receives DuPont Scholarship



Jun Ha Kim, a graduate student on the Integrated Facility Management degree track, received the DuPont Scholarship this past October at IFMA's World Workplace in Dallas. Kim earned a bachelor's degree in architecture from the University of Minnesota and has worked as an assistant construction field director for Competitive Service in Minneapolis. He currently works part-time as a utility data analyst for Georgia Tech's facilities department. A native of Seoul, Korea, Kim hopes to return to Korea to educate other aspiring facility management students there and to do facility management research.



Solis Specs Cost of Building Noah's Ark Today

Jose F. Solis, AIA, NCARB, Ph.D. candidate, novice shipbuilder, and designer, pondered this question: Will it float or not? His assignment as part of his qualifying written final exam was to build a model of Noah's ark. This meant producing the necessary elements, including drawings, dimensions, assumptions, specifications for materials, a construction contract for work, an estimate, and a final bid price. Not one wooden ship of this size and stature in the history of mankind has met the requirements of natural law and passed. The allotted time for the assignment was forty continuous hours.

On orders from his Ph.D. advisor Linda Thomas-Mobley, Solis was to package these documents in a marketing presentation directed towards Noah, explaining to him why he should choose his company for the job of building the ark. Solis' task was to determine, based on historical and religious documents, whether or not a ship of this magnitude was capable of floating and how that ship would be designed. The only way it would succeed, according to Solis, was if both internal and external pressures and forces were counter-balanced with trusses. To create a three-story vessel with trusses, Solis calcu-

lated both the dead and live weight of the ship. He researched the types of materials that were available worldwide during Noah's time and made an initial dead weight calculation of 3,676 tons. According to various scholars, the number of animals on the ark ranged from 5,000 to 16,000. Solis took the middle of the road

when determining the number of animals on the ark. He calculated the live load of all the animals, food and storage, along with the residential portion of the ark, to be 4,560 tons, which was based on his assumption of the length of time Noah and the animals would be on the ark. The total load of both the dead and live weight was estimated to be 9,000 tons.



Solis then calculated the maximum and minimum amounts of water needed on the ark. He designed a water drainage system that used rainwater to fill

up troughs and tanks scattered throughout the ark. His research concluded the total weight of the water, in addition to the containers, was 4,000 tons.

The total displacement of the ark was 13,000 tons, which resulted in having the water line at 12 feet and thus capable of floating. Solis calculated a total displacement of 18,088 tons as the maximum worst case scenario and concluded that the point at which the ark would float would be 15.3 feet, 2.7 feet below his calculated sink or float mark of 18 feet.

After verifying that the ark would indeed float,



Solis set out to design and estimate the amount of materials needed to construct the ark. His design placed the ark at 99,150 square feet. To give an accurate estimate, Solis went to a local hardware store and figured the cost of today's wood and equivalent items needed

to build the ark. His estimate for the total cost of the ark in today's dollar was \$165 per square foot for a total of \$16,472,040.

Solis then spent thirty-five straight hours constructing a model that represented his findings. Once the model was done, the appearance differed from those drawings seen in books. "I was interested in how he didn't take into consideration what people thought the ark looked like," said Thomas-Mobley. "He took his background and designed an ark that would work, not something you would see out of a children's book."

Solis' rendition of Noah's ark looked more like a barge than the typical vision most people have of the ark. According to Solis, it could not have been done any other way with the technologies and materials available during that era.

"It was beautiful to see the finished product," Solis said. "I have done what no one else has done. I have discovered throughout this process that there is no other way the ark could have been constructed without it sinking." Based on Solis' findings, Noah would probably agree.

City & Regional Planning News

Tech, GSU to Create New Breed of City Planners

As legal issues surrounding growth and development become increasingly complex, Georgia Tech and Georgia State University (GSU) have developed a concurrent degree option that helps city planners earn law degrees in a shorter amount of time. The four-year Joint Degree Program in Law and City and Regional Planning from GSU's College of Law and Tech's College of Architecture began accepting students this fall. Graduate students who successfully complete the program will earn a law degree from GSU and a master's degree in City and Regional Planning from Georgia Tech.

"This isn't the creation of a new program or degree, but it does allow students who wish to earn a law degree and their master's degree to pursue both at the same time and during a shortened period," said Cheryl Contant, director of the City and Regional Planning Program.

"Students at both schools will benefit from taking classes with each other because they will gain a greater understanding of both professions," said Julian Juergensmeyer, the GSU law professor who spearheaded development of the program along with Contant and former Georgia Tech planning professor Chris Nelson.

Contant said the concurrent degree option is one of about twenty such programs offered in the United States, and it will allow Georgia Tech and GSU to produce "a new breed of planning lawyers or attorney-planners" for the region and the nation.

"These are going to be professionals who will understand the limitations city and regional planners face based on legal requirements, but they'll also understand how to change the law to achieve their planning objectives," she said. "They are likely to become important players in state agencies, law firms, and other official capacities."

Joe Cooley, one of the first students to enroll in the concurrent program, said that planning and law have become so interrelated that anyone practicing either profession needs to have a good understanding of the other.

"Both planners and attorneys will make better and more defensible decisions through the study of both fields," Cooley said. "I believe having both degrees as well as my previous experience consulting and in the public sector will give me a leg up in the job market. More importantly, I believe it will allow me to be a better practitioner."

Shannon Sams, another student in the program, said it offers him a chance to become acquainted with urban and rural growth problems in more detail and with greater sophistication than either degree can offer on its own.

"I hope to develop a city planner's perspective on how to best accommodate growth and use my legal degree to form workable solutions," Sams said. "I will learn innovative land-use techniques, what factors should be taken into account before making a land-use decision, and be exposed to planners who will be making decisions or working for those who will make decisions concerning growth in the Atlanta area."

Architecture Dean Thomas Galloway said the new concurrent degree program is an exciting collaborative effort for Tech and GSU. "This takes the best parts of two excellent programs and produces a new kind of graduate, one who will be well prepared to work throughout this region and, indeed, throughout the nation," Galloway said. "Many communities in this country—and especially Atlanta—need professionals with a foot in both planning and law to address critical questions revolving around land use, redevelopment, historic preservation, and many other sensitive issues."

The greater understanding gained by lawyers and planners of their respective fields will help them be

more creative in finding solutions to the development issues facing communities, GSU College of Law Dean Janice C. Griffith said.

"In the past, city planners have often felt stymied by their lack of understanding of what would result if they made certain planning decisions," she said. "A better knowledge of the law will improve their decision-making process. Likewise, a greater understanding of planning will help lawyers do a better job shaping the law to improve the physical environment."

Contant Selected to Participate in Environmental Leadership Program



Cheryl Contant (center) discusses environmental challenges in Georgia with classmates David Hankerson, Cobb County; Todd Silliman, McKenna, Long & Aldridge LLP; and Jim Stokes, Alston & Bird LLC (seated) at the first meeting of IGEL.

Cheryl Contant, director of the City and Regional Planning Program, was selected as one of thirty-one state leaders of agriculture, business, education, environmental organizations, government, and civic groups to participate in the Second Annual Institute for Georgia Environmental Leadership (IGEL) Program.

"IGEL is the first program of its kind in the country," said Connie Wiggins, IGEL chairperson. "The program provides a unique opportunity for participants to gain a broader awareness of environmental issues and a better understanding of each other's views."

The yearlong program consists of six two- to three-day sessions in which participants examine specific environmental issues and the various points of view toward the issues as well as potential responses. "This on-site environmental education, combined with the leadership training, will help us develop innovative and creative solutions to environmental problems in Georgia," said Contant.

The program is facilitated by faculty at the Fanning Institute for Leadership and the Vinson Institute of Government at the University of Georgia. "IGEL will not attempt to create a consensus of opinions or promote a specific issue; rather, it will help participants be prepared to take action and make a difference in the lives of other Georgians," said Rob Williams, associate director of the Fanning Institute.

Studio Class Wins Awards with Plan to Reshape Fort Valley

Professor Nancey Green Leigh's fall 2002 studio project, Fort Valley: Making Connections, received the 2003 Georgia Planning Association's Outstanding Student Project Award. The project also was awarded honorable mention in the national American Institute of Certified Planners Student Project Competition. The project, conducted for the City of Fort Valley in middle Georgia, examined three particular districts within the city's brownfield redevelopment area and devised sets of alternative development plans for each area.



The nine students working on the project approached the problem by combining economic development tools with urban design principles. Out of this four-month long studio came a recognition of the need for the community to connect across racial lines; a vision statement emphasizing history, environmental stewardship, and balance; and thirty-eight individual project proposals ranging from the very general (revision of comprehensive plan and zoning) to the very specific (preservation of an historic building on the Fort Valley State University campus).

The project was cited for its comprehensiveness, quality, innovativeness, and transferability. Students working on the project included: Travis Campbell, Ann Carpenter, Wendy Dyson, Raushan Johnson, Oliver Obregon, Lynn Patterson, Alex Pearlstein, Aidan Poile, and Jason Ward. Professor Richard Dagenhart, Architecture Program, and program alumnus, John Skach, AIA, of Urban Collage, co-instructed the course with Leigh. For more information about the project, check the website at: www.coa.gatech.edu/crp/about_us/FortValley02_files/frame.htm.

In Memory

John Charles Gould (1924 – 2003)

Former faculty member John Charles Gould died on September 27, 2003. He was 79 years old.

In 1942, Gould left New Jersey to join the Navy for service during World War II. In the summer of 1945, the Navy sent him to Vanderbilt University for officer training. When the war ended, he remained at the university as a civilian, receiving his degree in 1950. In the winter of 1950, he enrolled in the graduate program of City and Regional Planning at the University of North Carolina-Chapel Hill. He received his degree in Master Regional Planning in 1953, having spent two years working for the university in a study of the impact of construction of the Savannah River Atomic Energy Commission Plant on rural areas of South Carolina and Georgia. Following the completion of the study, Gould accepted a position as senior planner at the Metropolitan Planning Commission (later renamed the Atlanta Regional Commission). In 1961, he left to form his own firm, Gould Associates. At that time, he accepted a part-time appointment as associate professor in Georgia Tech's City Planning Program. He retired as full professor in 1984.

Gould is survived by his wife, Gail Peterson Gould; a daughter, Martha Gould of North Bay Ontario; two sons, John David Gould of Athens, Georgia, and Jonathan Edward Gould of Frankfurt, Germany; two grandchildren, Evren Tuncali of North Bay, Ontario, and Alexandria Robins of Atlanta, Georgia.

AWPL and Music News

Advanced Wood Products Laboratory

AWPL Establishes Advisory Board



Left to right: Jim Keane, American Woodmark; Karl Brohammer, director of AWPL; Fred Mortensen, Mortensen Woodwork; Thomas Galloway, dean of the College of Architecture; Randy Scott, Southern Staircase; John Gangone, SCM Group USA; R. H. “Bob” Langdale, Langdale Industries; and John L. Wells, Georgia Forestry Commission.

The inaugural meeting of the Advanced Wood Products Laboratory (AWPL) Advisory Board was held in October 2003. The purpose of the AWPL Advisory Board is to provide guidance in steering the lab’s strategic focus in research, education, training, demonstration, and outreach for the next five years. Charter members of the board represent key Georgia companies and government collaborators. The board will meet twice annually for updates on activities undertaken by the lab and assimilation of additional board members representing a wider cross section of the industry.

Georgia industries represented as charter members include: American Woodmark, Eastanelle; Langdale Industries, Valdosta; Mortensen Woodwork, Union City; SCM Group USA, Duluth; Southern Staircase, Alpharetta; and the Georgia Forestry Commission.

At the meeting, the board members considered key questions and relevant issues that AWPL could address to impact the economic development of Georgia industries. These include industry forecasts, introduction of technology systems, targeted training for management, and collaborative research.

The mission of the lab is to promote the development of applied technologies and design to manufactured wood and related composite materials, allowing the transition of the wood products manufacturing industry in Georgia to an internationally competitive position. For additional information on AWPL, visit www.awpl.org.

Wooden Maiden Places at AWFS Student Design Competition

Diane Creighton (M.Arch 2003) received recognition at the Student Furniture Design Competition held during the 2003 Association of Woodworking and Furnishings Suppliers (AWFS) trade show for her class project, Wooden Maiden.

The Wooden Maiden stands seven feet tall and is made of maple veneer woven through a frame constructed of Baltic birch plywood. This project was created during the Spring 2003 Furniture Design class taught by Alan Harp and Tina Simonton. Creighton’s assignment was to create a piece of furniture that both separated and connected space.

“The Maiden is a unique twist on the traditional three-part screen because it functions both opened and closed,” said Creighton. “When fully opened it spans four feet, physically separating space while visually allowing light to penetrate and connect space through the woven veneer. When fully closed, the wooden column creates a full circle around which to walk and view.”

The class focused on the design and craft of furniture utilizing the Computer Numerical Control (CNC) equipment at AWPL in addition to the more tradi-

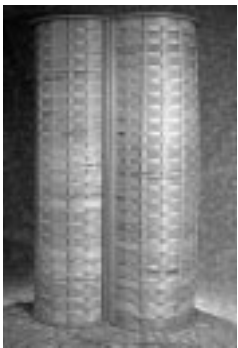
tional methods and tools. Creighton’s project was selected along with about fifty other college and high school students’ work for exhibition and judging during the AWFS show held in Anaheim, California, from July 31 through August 3, 2003. For her efforts as a finalist, Creighton was invited to attend the honors reception at the show, where she received a plaque recognizing her accomplishment.

“The furniture class was a much needed element for me in my education as an architecture student,” Creighton said. “It taught me how to build. I learned to take my ideas and make them real through the fundamentals of structure and joinery. My craft could greatly improve with time, but at least now I have the basics under my belt. I think this experience is going to help me bridge the gap between talking about architecture in school and actually going out and erecting buildings.” For more information on furniture design in the architecture program, see page seven.

For students interested in a similar competition, the International Woodworking Fair will be held in Atlanta in August 2004. The Design Emphasis Awards Competition will be accepting applications for judging through March 2004. For more information, visit www.iwf2004.com.



Diane Creighton and Alan Harp at the 2003 Association of Woodworking and Furnishings Suppliers trade show where Diane was recognized for her project, The Wooden Maiden.



Music



Record Number Compete in Guthman Keyboard Competition

Nine young pianists placed as finalists in the Sixth Annual Margaret Guthman Keyboard Competition held on campus in November. The finalists were selected from sixty-two participants, the largest pool of entrants since the College hosted the first Guthman Competition in 1998.

In the classical category, this year’s finalists included: first place, Amanda Parker, Florida State University; second place, Roger Jie Luo, The Juilliard School; and third place, Dawson Hull, Samford University.

In the jazz/contemporary category, finalists were: first place, Kevin McHugh, the Oberlin Conservatory; second place, David Samuel, Pensacola Junior College; and third place, Nicholas Johns, Rockdale County High School, Conyers, Georgia. Two students received artistic merit awards: Slavik Gabinsky, Emory University, and Tinghao (Jordan) Ou, Dunwoody High School.

Judges for the Guthman Competition were Jerry Alan Bush, professor and head of keyboard at the University of South Alabama; Dan Wall, a member of the jazz piano faculty at the Oberlin Conservatory of Music; and Arielle Leviuff, an



active soloist and collaborative artist in New York and abroad. In addition to serving as judges, Bush, Wall, and Leviuff gave individual evaluations and taught master classes during the competition. Bush conducted a master class on optimizing performance through the use of the Taubman methodology. Wall’s master class focused on jazz improvisation, and Leviuff addressed interpretation of French piano literature.

The Guthman Competition was established in 1998 by Georgia Tech alumnus Richard Guthman to honor his wife, Margaret A. Guthman, and her love of music. Margaret is an accomplished pianist. Her son, Dan Wall, is one of America’s most respected jazz keyboard artists, who records feature albums of his own and tours with jazz stars such as John Abercrombie.

Frank Clark, director of the College’s Music Department, organized the event. “This competition was designed so that, no matter who came, they would have a quality experience in a positive productive atmosphere,” he said.



Upcoming Events

March 31, 2004
Orchestra & Jazz Concert

April 13, 2004
Concert Band Concert

April 15, 2004
Symphonic Band Concert
(with guest Kennesaw State University Wind Ensemble)

All concerts are at 8:00 p.m. in the Robert Ferst Center for the Arts. Tickets are \$5 for students and \$10 for general admission.

Continuing Education Schedule

Workshops

| | | |
|--|--|-------------------|
| SEBE Series: | Practice Management (9:00 a.m. - 5:00 p.m.) | March 22, 2004 |
| | Finance Management (9:00 a.m. - 5:00 p.m.) | March 23, 2004 |
| | Human Resources (9:00 a.m. - 12:30 p.m.)..... | March 24, 2004 |
| | Design Leadership (1:30 p.m. - 5:00 p.m.) | March 24, 2004 |
| | Architecture as Performance Art I: Sharpening Your Presentation Skills (9:00 a.m. - 12:30 p.m.) | March 25, 2004 |
| | Architecture as Performance Art II: Sharpening Your Listening Skills (1:30 p.m. - 5:00 p.m.) | March 25, 2004 |
| | Marketing and Business Development (9:00 a.m. - 5:00 p.m.) | March 26, 2004 |
| Bootcamp—Everything You Wanted to Know About the Design and Construction Industry (for non-technical professionals) | | April 14-16, 2004 |
| Sustainability—Secure and Sustainable Public Buildings | | April 16, 2004 |
| ARE Review—Mechanical and Electrical Systems..... | | April 24, 2004 |
| GIS—GIS Using Visual Basic and VB.Net | | April 28-30, 2004 |
| GIS—Designing Geodatabases for GIS Applications | | May 5-7, 2004 |
| SEBE-C—The Business of Successful Contracting | | May 6-7, 2004 |
| GIS—Intro to ArcGIS 8.3 | | May 10-12, 2004 |
| GIS—Using GIS for Data Integration and Asset Management | | May 13-14, 2004 |
| ARE Review—Site Planning | | May 15, 2004 |
| Sustainability—The Sustainable Project from Interior Design to Successful Occupancy | | May 21, 2004 |

For more information, contact Carol Whitescarver at 404.894.1096 or visit www.pe.gatech.edu.

Continuing Education News

A/E Experts Lead Workshops at Georgia Tech

In March, Mark Zweig, a nationally acclaimed A/E/P expert, will kick off Georgia Tech’s sixth annual Senior Executive Business Education Series (SEBE), a leadership-training program tailored specifically for principals of design and consulting firms and their “rising stars.”

Zweig, president and CEO of ZweigWhite, helped Georgia Tech develop the SEBE in 1999 and has served on the faculty each year. This year, Zweig will be joined by a team of A/E industry experts including David Wahby, president of Wahby & Associates; Jim Cramer, principal of the Greenway Group; David Greusel, principal with HOK Sport+Venue+Event; Tom Boogher, executive vice president of PSI Engineering, Consulting, Testing;

and Randle Pollock, principal with Walter P. Moore.

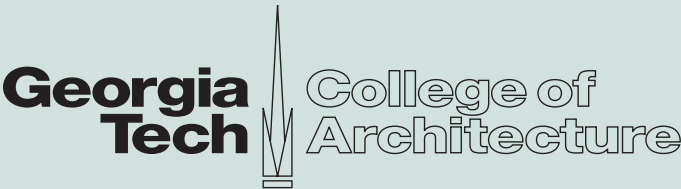
Since the SEBE made its debut in 1999, hundreds of industry professionals from across the United States have attended the program, including Pam Nelson of Parkhill-Ivins in Denver, who attended the SEBE in 2003. “I highly recommend the series for anyone involved in managing an A/E firm. All the speakers had actual A/E experience and it was very easy to relate to the information they provided,” Nelson said. “We were able to implement many of the tools and ideas and have seen an improvement in our organization after a few short months. Making the time to attend the seminar will repay the effort tenfold.”

The 2004 program will be held in Atlanta on March 22-26 at Georgia Tech’s new state-of-the-art Global Learning and Conference Center. During the week-long series, workshops will focus on practice

management, finance management, human resources, leadership skills, presentation skills, listening skills, marketing, and business development. Participants may register for individual workshops or attend the full series.

“Whether firms are small or large, managing the business side of an A/E firm is no simple matter,” Dean Thomas Galloway said. “So each year, we gather an outstanding group of industry experts, consultants, and successful CEOs to conduct the SEBE workshops. Our goal is to help firm leaders acquire or hone the skills they need to operate the firm with greater efficiency and profitability, in good times and bad.”

For more information, contact Carol Whitescarver at 404.894.1096 or carol.whitescarver@arch.gatech.edu. Or, you may visit www.arch.gatech.edu/sebe2004.



Georgia Institute of Technology
Office of the Dean
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