

College of Architecture  
*summer newsletter 2002*



elements

environment

**Georgia  
Tech**



College of  
Architecture

# Letter from the Dean



A number of new and exciting changes are emerging within the College as it prepares for the 2002-2003 academic year. First, with the retirement of a distinguished colleague and friend, Associate Dean Tom Debo (City and Regional Planning), Professor Doug Allen (Architecture) and Associate Professor Sabir Khan (Architecture) will be assisting me in leading the College as Associate Dean for Academic and Student Affairs and Associate Dean for Undergraduate Studies and Creative Activity, respectively. Together, we collectively envisage the deepening of the academic mission of the College, the strengthening of our innovative Common First Year curriculum, and the broadening of our international program initiatives in the coming years.

Second, we are at the closing stages of two critically important leadership searches:

- the new director of the Georgia Tech Music Department
- and the new director of our Center for Assistive Technology and Environmental Access (formerly the Center for Rehabilitation Technology).

We are planning on announcing these appointments very shortly with the expectation of having them on board at the beginning of this coming academic year.

In addition to these changes, we also will be initiating during the coming year several important new appointments and events.

These include:

- the extension of the search for the director of the new Center for Quality Growth and Regional Development and the Harry West Chair;
- the formal launching of the capital campaign for the Music Department's physical facilities;
- the inauguration of the new professional master's degree in Industrial Design, completing our goal of having terminal master's degrees for each of our professional degree programs;

- development of plans for the expansion of the College's instructional and research space in a nearby building, with a particular emphasis on studio space for the Architecture and Industrial Design programs; and
- the completion of the capital campaigns for the Center for Quality Growth and Regional Development and for the first endowed chair in Architecture, the Thomas W. Ventulett III Professorship in Architectural Design.

These projects obviously will be in addition to the continued development of a variety of new developments within our programs and centers.

But, as we prepare for the beginning of a new academic year, we do so with some sadness. The passing of William L. Fash, the first dean of the College of Architecture, was deeply felt by the faculty, staff, alumni, and friends of the College, as was the loss of Jack F. Gladding (MCP, '65), distinguished member of the College Development Council and chair of the City and Regional Planning Advisory Board and a wonderful friend of Georgia Tech. Bill and Jack will be sorely missed.

Sincerely,

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

# College News

## Faculty chair named in honor of Thomas W. Ventulett III



Left: Roger Neuenschwander, Billy Mitchell, Tom Ventulett, Earl Shell.

Below: Atlanta Architect Tom Ventulett was guest of honor at the May 13 reception to celebrate the creation of the Thomas W. Ventulett III Distinguished Chair in Architectural Design. (left to right) Sharon Perry Galloway, Marion Ventulett (daughter-in-law), and Tom Ventulett.

The College of Architecture is in the process of creating its second endowed chair—the Thomas W. Ventulett III Distinguished Chair in Architectural Design—through gifts and pledges from Thompson, Ventulett, Stainback & Associates (TVS), the Ventulett family, and a number of Tom Ventulett’s business associates and friends.

Ventulett is principal and director of design at TVS, the Atlanta-based firm that he helped found in 1968. In 2002, TVS became the first firm in the South to win the prestigious AIA Firm of the Year Award from the American Institute of Architects. Ventulett himself already had been accorded the highest recognition his profession bestows—membership in the AIA College of Fellows in 1977.

The creation of the chair is a salient event in the evolution of the College. “It is certainly fitting, for it honors a great professional, designer, teacher, mentor, and true friend of the architectural and design world and Georgia Tech,” said David Buchanan, development director for the College. “Tom is one of those rare people who has a positive effect on everyone he touches.”

Endowed chairs are tools for attracting world-class talent and aiding the Architecture Program’s efforts to attract the best students. When people look for top-rated colleges, endowed chairs are important because they attract eminent teachers and scholars to serve as academic “hubs” for the curriculum programs and research specialties of the College. Because endowed chairs are self-supporting, they enable the College to expand its intellectual horizons into new areas. While this is not the College’s first endowed chair, it is the first for the Architecture Program and it will bring great visibility to the program.

The Thomas W. Ventulett III Distinguished Chair in Architectural Design will represent a consolidation of two major endowments—the TVS Visiting Critics Program and the Thomas W. Ventulett III Professorship in Architectural Design—along with several matching gifts from Ventulett’s friends and business associates.

TVS has a relationship with the College that dates back to the inception of the firm in 1968. “A lot of the wonderful things that have happened to this firm were built around the relationship we had with Georgia Tech, as a lot of our base is made up of Tech graduates,” said Roger Neuenschwander, president of TVS. “It is a natural extension to give back. We are extremely pleased that our visiting critics program can be transformed into this endowed chair and absolutely thrilled to honor Tom Ventulett in this way.”

TVS made a gift to the College in December 1997 to establish the visiting critics program and had planned to increase support eventually. A few months ago, Billy Mitchell, chairman and chief executive officer at Carter & Associates, contacted Neuenschwander with a proposition that would help move the TVS gift to the next level. “Roger came up with the idea of taking funds from various sources, and I volunteered to help raise additional funds from other associates,” said Mitchell.



Mitchell had help with fund raising from Earl Shell, chairman and chief executive officer of Hardin Construction Company; Tommy Holder, chairman and chief executive officer of Holder Construction Company; and Tom Cousins, chairman of the board, Cousins Properties Inc. “All of the funds that were given honor Tom Ventulett, and Georgia Tech is the beneficiary of it,” said Mitchell. “But all of us benefit from Georgia Tech’s College of Architecture.”

The TVS gift combines with the Ventulett professorship created with a major gift to the College from Ventulett, his wife Beth, and their children, Suzanne Holder, Thomas Ventulett, and Jonathan Ventulett. “Our original thought with the professorship endowment was to do something for my husband that meant so much to him, and that was Tech and design,” said Beth Ventulett. “When Billy Mitchell called to discuss combining our endowments, I was thrilled. This is an incredible honor for Tom.”

Tom Ventulett received his Bachelor of Science in 1957 and Bachelor of Architecture in 1958 from Georgia Tech. In his fourth year at Tech, he married Beth, whose first job was at Tech’s Price Gilbert Library.

As a student at Tech, Ventulett was a member of Sigma Alpha Epsilon fraternity, the Scabbard & Blade Society, and the Yellow Jacket Club. He also was president of the American Institute of Architecture student chapter as well as art editor of both the *Technique* and *The Engineer*. In 1961, Ventulett received his Master of Architecture from the University of Pennsylvania.

In just over two decades, TVS has grown into an internationally recognized, 160-person design organization, with projects in 25 states and a number of foreign countries. The phenomenal growth in size and prestige of the firm is due in no small part to the creative and professional abilities of Ventulett.

As an alumnus, Ventulett has served as president of the Architecture Advisory Board (1989-90) and as a member of the Construction Research Advisory Board, the Alumni Committee for the College of Architecture, and the President’s Council.

“Tom has a real love and passion for architecture,” said Dean Thomas Galloway. “He is an outstanding professional, a successful businessman, a founding member and chair of the College’s Development Council, and a loyal and supportive alumnus. The Architecture Program’s first endowed chair could not have a better name associated with it, as Tom Ventulett truly represents one of the best in the field.”

## Associate Dean Tom Debo retires

After twenty-six years at Tech, Dr. Thomas N. Debo retired in April 2002, stepping down as professor and associate dean for Academic and Student Affairs. During his tenure at Tech, Debo taught nineteen courses dealing mostly with urban stormwater management, economics, land use planning, scientific methods, community facilities planning, and the environment.

Eight years ago Dean Galloway asked Debo to be the College’s associate dean, a capacity in which he handled internal and Institute concerns dealing with curriculum, research, faculty, and students. Over the years, Debo also has been active in bridging the gap between the engineering aspects of water resource projects and the legal, planning, and political aspects. He has published several books and more than forty articles in professional journals and other publications. Debo also has conducted stormwater-related workshops across the country for the American Society of Civil Engineers and given presentations and talks throughout the United States and several European countries.

## Professors Doug Allen and Sabir Khan named associate deans

With the retirement of Dr. Tom Debo, the associate dean’s position has been reorganized into two half-time positions, one responsible for undergraduate affairs and creative work and one handling academic and student affairs. On July 1, Associate Professor Sabir Khan became associate dean for Undergraduate Studies and Creative Activity, and Professor Doug Allen became associate dean for Academic and Student Affairs. Both will continue teaching in the Architecture Program, with Khan continuing to lead the Common First Year.

Khan grew up in Pakistan and received his undergraduate and graduate degrees in architecture from Princeton and Rice universities. Before joining Georgia Tech in 1995 as an assistant professor, he worked in Boston and taught at Oklahoma State. His research interests are in design pedagogy and in cross-cultural practice. Khan is looking forward to the new team approach. “I’ve had the pleasure to work closely with Dean Galloway for the last two years on the Common First Year and the course [Introduction to Design and the Built Environment] we teach together every fall,” said Khan. “And I’ve known and admired Doug Allen since I joined the Architecture Program faculty seven years ago. Being part of such a team is both a pleasure and an honor.”

Allen, professor and registered landscape architect, received his Master of Landscape Architecture degree from Harvard University in 1976. He has been a Georgia Tech faculty member since 1977 and has maintained a private landscape architecture practice since 1982. His projects have been cited in publications including *Progressive Architecture* and Steven Cantor’s *Contemporary Trends in Landscape Architecture*. He lectures widely on the subjects of architecture, landscape, and urban design.

“Dean Galloway has provided extraordinary leadership over the past decade, and I am looking forward to contributing to the continuation of the directions he has begun,” said Allen. “I have also worked closely with Professor Khan and have developed a tremendous respect for him and his abilities. The location of the College within the Institute and the City of Atlanta puts it in a position to be the leader in architecture, construction, planning, and design as these disciplines relate to the problems faced by the emerging city in the twenty-first century. I hope to be able to follow the lead set by Tom Debo in helping Dean Galloway build the College of Architecture into the best it can possibly be.”

# College and Alumni News

## College continued



(Left to Right) John Gangone, president, SCM GROUP USA, Duluth, Georgia; Alfredo Aureli, president and chairman of the board, SCM GROUP, Rimini, Italy; Governor Roy Barnes; Dean Thomas D. Galloway; Rep. Terry Coleman, chairman, House Appropriations Committee; Andrew J. Harris Jr., special assistant to the president of Georgia Tech; and R. K. Sehgal, commissioner, Georgia Department of Industry, Trade, and Tourism.

One of the Advanced Wood Products Laboratory's (AWPL) principal collaborators, Dr. Alfredo Aureli, president of SCM GROUP, met with Dean Galloway, Governor Roy Barnes, and distinguished guests following Dr. Aureli's visit to the laboratory. AWPL features state-of-the-art Computer Aided Design and Computer Aided Manufacturing (CAD/CAM) wood processing equipment provided by the SCM GROUP. The mission of AWPL is to provide high-tech training and education, research and development, and demonstration projects to help Georgia and the U.S. secondary wood products industry to be highly competitive in the international marketplace. For more information about AWPL, visit [www.arch.gatech.edu/awpl](http://www.arch.gatech.edu/awpl).

### In Memory

#### William Fash, Tech's first dean of Architecture, dies at 71

William L. Fash, the first dean of Georgia Tech's College of Architecture, died May 27 of complications from lung disease at his Atlanta home. He was 71.

Fash joined the faculty in 1976 after the enrollment of almost 1,000 students resulted in the formation of Georgia Tech's College of Architecture the previous year. Fash was appointed the College's first dean, and the program grew quickly during his tenure.

An addition to the Institute's original Architecture Building was completed in 1980, and the Institute and Board of Regents approved a doctoral degree program in 1982. A major research program also emerged in the College of Architecture, at first among projects developed by individual faculty and then with the creation of major research centers such as the Center for Rehabilitation Technology in 1980 and the Construction Research Center in 1987.

Due to health problems, Fash stepped down as dean in June 1992 and remained on the faculty until his retirement in 1994.

John Kelly, now a professor emeritus at Georgia Tech, was associate dean of the College of Architecture during Fash's tenure, which he described as a critical time as architecture evolved from a five-year bachelor's degree to a six-year master's program.

"He was the very first dean, and so it was very important to find someone who could move it forward as a college," Kelly told *The Atlanta Journal-Constitution*. "A lot of work goes into developing



GEORGIA TECH ARCHIVE

a curriculum, and he provided the leadership for curriculum development."

Prior to his arrival at Tech, Fash was a professor of architecture at the University of Illinois. In 1973, he was a visiting professor at Chulalongkorn University in Bangkok, Thailand. He held teaching positions at the University of Oregon and at Oklahoma State University, where he earned his bachelor's and master's degrees in architecture. Fash also was a Fulbright Scholar.

Survivors include his wife, Elena Fash; two daughters, Victoria Ruth Fash of London and Lauren Victoria Fash of Atlanta; two sons, William Leonard Fash Jr. of Newton, Massachusetts, and Cameron Shaw Fash of Atlanta; two brothers, Ron Fash of Houston and Larry Fash of Piedmont, Oklahoma; three sisters, Shirley Ely of Grand Junction, Colorado, Beverly Wilkerson of Tulsa, Oklahoma, and Jimmie King of Cleveland, Oklahoma; four grandchildren; and one great-grandchild.

## Alumni

### Message from the 2002 Alumni Committee President



Kevin R. Cantley  
(BArch 1976, MArch 1978)

*The College of Architecture (COA) homecoming events of 2001 were the first organized with the support of the Alumni Committee. Working closely with Dean Galloway and his wife Sharon Perry Galloway, the committee established four goals for this and future homecoming events of the College of Architecture:*

- Facilitate the Dean's Annual Symposium on Professional Practice;
- Showcase a new project created by COA alumni;
- Connect faculty, students, and alumni; and
- Throw a great party.

*For 2001, the First Annual Dean's Symposium on Professional Practice featured a panel including the current and immediate past presidents and two members of the Georgia Board of Architects, who discussed the state's recently enacted new practice law and its implications for the profession.*

*Turner Properties hosted the event at its Turner Entertainment Group campus just north of the Tech campus, and a tour was given of the new buildings designed by Tech Alumni Ennis Parker (BArch*

*1965), Marvin Housworth (BArch 1963), and Willie Gaston (BArch 1974) of KPS architects and built by Turner Construction headed by Paul Little and Tech Alumni David Butler (MArch 1989) and Bart Plunkett (BS 1981). The interiors were designed by Tech alumnus Manuel Cadrecha (BS 1979 & MArch 1979) of Perkins and Will.*

*A reception was held in one of the Turner television studios, with music provided by a jazz ensemble of the Tech band. Thanks to Turner Properties' COA alumni Ken Gwinner (BS 1979, MArch 1986) and Richard Long (BS 1983, M Arch 1986) for their kind hospitality.*

*To learn how you can become involved in future homecoming events, e-mail [kevincantley@coopercarry.com](mailto:kevincantley@coopercarry.com).*

—Kevin Cantley

**Ryan Gravel's** (BS 1995, MArch/MCP 1999) master's thesis project titled "Belt Line Atlanta—Design of Infrastructure as a Reflection of Public Policy" (bottom) will be part of a two-year study by MARTA and the Atlanta Regional Commission. Gravel's thesis focused on 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.

With the help of two co-workers, Ryan sent out about thirty condensed versions of his plan to policymakers in state and local government. The first and most enthusiastic response came from Cathy Woolard, then a City Council member and now Atlanta City Council president. With the influence of Woolard, the Belt Line project, along with another proposal by U.S. Rep. John Lewis, is slated for a two-year, \$2.5-million study.

Left: The Belt Line crosses Ponce de Leon Avenue at City Hall East.

Right: Route of the Belt Line showing redevelopment sites and historic neighborhoods.



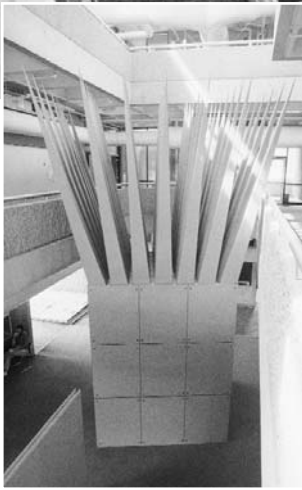
# Alumni News continued

**K. Michael Hays** (BArch 1976) is Eliot Noyes Professor of Architecture Theory at Harvard University and has been named the first adjunct curator of architecture at the Whitney Museum in New York City.

Hays' first Whitney show, scheduled to open in September, will be a retrospective of the work of John Hejduk. He plans to reassemble the Hejduk constructions—the House of the Suicide and the House of the Mother of the Suicide—that were built for and stood within the College.

In 1986, Tech architecture students, led by project coordinator and studio critic James Williamson, began collaborating with Hejduk on the construction. The process took four years. While many students worked on the project, a core group of about a dozen stayed with the project throughout its course. The core group consisted of **Jack Ames** (MArch 1990), **Paul Bauer** (BS 1985, MArch 1988), **Rick Blanchard** (BS 1988, MArch 1997), **Nancy Caster** (MArch 1990), **Paige Cosby** (BS 1988, MArch 1990), **Jeff Cramer** (BS 1986, MArch 1988), **Jorge de la Cova** (BS 1988, MArch 1990), **Lyle Green** (BS 1983, MArch 1988), **Marshall Levy** (MArch 1989), **Kirk Marchisen** (BS 1981, MArch 1986), **Frank Pollacia** (MArch 1989), and **David Shonk** (MArch 1990).

For more information on the retrospective, visit [www.whitney.org](http://www.whitney.org).



"House of the Suicide" and the "House of the Mother of the Suicide" will be on exhibit at The Whitney Museum in New York City from September 21, 2002, through January 5, 2003.



Bill Stanley (left) was recently sworn in as president of 100 Black Men. Robert Haley (right), special assistant to the president at Georgia Tech, is the president-elect of the organization.

**William J. Stanley III** (BArch 1972) was recently sworn in as the new president of 100 Black Men of Atlanta, a 246-member service organization whose members serve as role models for Atlanta youth. His term runs through April 2004.

Stanley is the first African American graduate of Tech's College of Architecture. He and his wife, Ivenue Love-Stanley (BArch 1977), the first African American woman to graduate from the College, merged their talents in 1977 to form Stanley, Love-Stanley, P.C. The firm's projects include the Ebenezer Baptist Church New Horizon Sanctuary, Georgia Tech's Olympic Aquatic Center, and the new Bellsouth complex in Lenox Park.

The 100 Black Men of Atlanta offers grade school-aged youth programs including computer and Internet training, SAT and Georgia High School Graduation Test preparation, and workshops on test-taking skills. The organization also engages students in cultural activities, including trips to theatrical performances and concerts.

**Michael Kleeman** (BArch 1995, MArch 1998) recently received the 2002 J. Neel Reid Prize from the Georgia Trust for Historic Preservation. An instructor in the College's Common First Year program, Kleeman will use the \$5,000 fellowship for travel in Italy to study the work of noted Renaissance architectural writer Sebastiano Serlio.

"Architecture and architectural history should really be so much more than pictures in books or slides," said Kleeman. "The Neel Reid Prize offers the chance to physically explore places so I can convey that kind of firsthand experience in my sketches, photos, and knowledge. It will help me pass along to today's students all the things in the history of architecture that have excited me, so they will better understand the full extent of the legacy in which they follow."

Kleeman also is a practicing intern architect with Jones Pierce Architects in Atlanta, which specializes in residential construction and renovation in historically sensitive neighborhoods. He is a past recipient of the Georgia Tech Alumni Association Award for International Study.

The J. Neel Reid Prize honors the legacy of noted Georgia architect Neel Reid and is awarded each spring by The Georgia Trust to an emerging architect who works, studies, or resides in the state.

## In Memory



Jack F. Glatting, 62, chairman of the board of Glatting, Jackson, Kercher, Anglin, Lopez, Rinehart, a community planning firm with offices in Orlando and Palm Beach, Florida, and Philadelphia, died on March 28. A native of Cincinnati, Glatting was a leader in the planning profession in Florida and a great supporter of Georgia Tech, the College of Architecture, and its City and Regional Planning Program.

After earning an undergraduate degree in architecture from the University of Cincinnati, Glatting received a Master of City Planning at Tech in 1965. His support for the College and the Planning Program was evident in the years of service he provided as a member of the College's Development Council, as chairman of the City and Regional Planning Program's advisory board, and by the many graduates his firm employed over the years.

In September 1998, Glatting and his partners established a fellowship in City and Regional Planning, which has provided vital support to students. He also served as a mentor for countless students and faculty. As a community planning leader, he helped shape the greater Orlando community through his many professional activities.

"Jack was a loyal alum of our program, a contributor to the College and the program, the establisher of a graduate student fellowship program, an active employer of our graduates, a phenomenal mentor to young talent, the father of one of our alums, and a great role model and friend," said Cheryl Contant, director of the City and Regional Planning Program. "I have known Jack for only three years, but I will deeply miss him."

Glatting is survived by his wife of thirty-eight years, Sonny; his three children, Jay Glatting, Sandy Salisbury (MCP 1997), and Jeff Glatting; five grandchildren, Caitlyn, Andrew, Claire, Gracie, and Jeffery; his mother, Margie Glatting; and sister, Carol Wilson.

# Architecture News



## News from the director

This spring was a particularly busy one for the Program. Everyone worked hard to put on a very successful accreditation visit in early February. There was hardly time to catch a breath before attending the provocative ACSA Southeast Regional Conference hosted by the Program and organized by Professor Sabir Khan on the theme of “Odysseys: Worlds on the Move.” The Symphony Lecture Series followed in March and the Think Tank in April (see accompanying articles). In addition, Professor Mark Cottle coordinated the Program’s own lecture series featuring talks by NYU historian Professor Dan Monk; industrial designer Jennifer DeBernardis of Frog Design; architectural historian at Harvard University and the first curator of architecture at the Whitney Museum of American Art, Professor Michael Hays (BArch 1976) with James Williamson, professor of architecture at Cornell University and formerly on the faculty of Georgia Tech; architect and Professor Nader Tehrani of Harvard University; architect and professor Raveevan Choksombatchai of UC Berkeley; Professor and Chair of Landscape Architecture at University of Virginia, Beth Meyer; architect Ann Beha of Ann Beha Associates; and Georgia Tech Professor of Architecture Athanassios Economou. These were complemented by exhibits at the Atlanta Contemporary Art Center by Frog Design and Office dA, coordinated by Professor Jude LeBlanc. The “New Ground” exhibit of student proposals for lidding or lining the Downtown Connector was re-installed by Professors Richard Dagenhart, Athanassios Economou, and Harris Dimitropoulos in the storefront of the Phillips Arena facing Marietta Street. It will remain up through the summer. Please take a look!

Architecture faculty swept the College Academic Faculty Awards. Professor Randy Roark was honored with the Distinguished Professor Award. Professor Michael Gamble received the Early Career Achievement Award. Professor Athanssios Economou received the Outstanding Teacher Award, and Professor George Johnston received the Faculty Service Award. There were many very grateful students receiving financial awards courtesy of Louis Nix and Perkins and Will as well as Bill Stanley and Ivenue Love-Stanley of Stanley, Love-Stanley Architecture. More awards were made to students at the Architecture Program Awards on April 26 and the Program is again pleased to acknowledge the generosity of the donors of: the Portman Prize, the Stevens & Wilkinson Scholarship, the John Houston Wear Jr. Fellowship, the John Judson Roland Fellowship, the R. S. Means Fellowship, the Facility Design Group Fellowship, the Victor D. Schinnerer Fellowship, the Atlanta CSI Foundation Fellowship, the Marthame Sanders Memorial Scholarship, the Alpha Rho Chi medal, the John William Sandeford Memorial Scholarship, and the Henry Adams Medal and Certificate. The award ceremony was followed by a celebratory “chill-out”

featuring tunes spun by grad student DJs and ice cream served by Cold Cream (an outgrowth of Stacey and the COA coffee cart).

An ever-increasing number of studios worked on real projects this spring, working with and contributing their ideas to the communities involved. The juniors, led by Professors Fred Pearsall, Richard Dagenhart, and Frances Hsu, worked on a redesign of the Buford Highway Atlanta-Mexico bus station incorporating a community center. The seniors, led by Professors Sabir Khan, Herman Howard, and David Green, all worked on urban design and architectural proposals for different neighborhoods in Atlanta (see article on the HOK competition). The Core III graduate studio, led by Professors Chris Jarrett and Judy O’Buck Gordon, made proposals to the clients for Kidsgym, a non-profit in the city. The Options II graduate studio professors all offered real, local sites ranging from the constituent-less but fascinating proposals by Renee Kemp-Rotan’s students for theaters and opera inserted into the “gulch,” Thanos Economou’s students’ investigations into the Multi-modal Station also, proposed for the “gulch,” Stuart Romm’s students designs for the new proposed Atlanta Aquarium, and Randy Roark’s students’ work with the Midtown Alliance’s stakeholders group on producing a Midtown Arts District. Similarly, at the Master’s Project level, Professor Mike Gamble’s students worked on individual proposals in conjunction with the master plan proposed by a foundation, its developer, and public planning officials for Covington, Georgia, while Professor Harris Dimitropoulos’s students engaged with Brian Leary (BS 1996), the developer for the Atlantic Station project in midtown, making both critiques of the project and architectural proposals. This engagement of the Program in the real work of the city also operated in reverse. Various firms came in to talk to Visiting Assistant Professor Frances Hsu’s class on “Contemporary Practices” including six three-hour presentations by Jack Portman (BArch 1971) and Jeff Floyd on Portman Associates’ work in architecture and development.

Summer promises to be active as well with students traveling to Rome with Professors Doug Allen and Betty Dowling; to Berlin, Paris, and Amsterdam with Professors Richard Dagenhart, Chris Jarrett, and Mike Gamble; to Barcelona with Professor Sabir Khan; and to Lisbon with Professors Chris Jarrett and Fred Pearsall.

The lecture and exhibition series is already being planned for next fall. To assure notification about these events, please e-mail [beverly.brown@arch.gatech.edu](mailto:beverly.brown@arch.gatech.edu) and request to be placed on our e-mail notification list.

—Ellen Dunham-Jones

## Students compare approach to urban design and analysis

In March, HOK’s Urban Design division invited three Georgia Tech-based senior studios, along with a University of Georgia graduate landscape architecture studio, to compare approaches to urban design and analysis and to compete for three \$500 prizes for innovation, process, and communication. Professor Sabir Khan’s class presented its analyses of the diverse social and physical fabric of Chamblee. Students from David Green’s studio presented their analyses of the physical impact of the new Special Interest District zoning in Midtown Atlanta. Herman Howard’s class’s collective analysis and new proposal for the Atlanta University Center took the prize for process, while the jury awarded the other prizes to the UGA studio taught by Georgia Tech grad Henry Methvin (MArch 1984) for proposals concerning the Atlanta Civic Center area.

## Program hosts ‘think tank’ in historic preservation, adaptive reuse

In response to a gift by Harrison Design Associates to endow a Visiting Scholar in Historic Preservation and Adaptive Reuse, Professor Betty Dowling and Director Ellen Dunham-Jones hosted a two-day “think tank” in April to receive input from nationally recognized architects teaching and practicing in these areas. The invited participants included Ann Beha of Ann Beha Associates, Boston; John Blatteau of Philadelphia; Ann Fairfax of Fairfax and Sammons, New York; Ray Gindroz of Urban Design Associates, Pittsburgh; Michael Henry of Watson & Henry, preservation engineers, New Jersey; Steven Semes of New York; Thomas Gordon Smith, Professor at Notre Dame; Susan Turner of Lord Aeck and Sargent; and Mario di Valmarano, professor emeritus, University of Virginia. Participants from the College included Dean Thomas Galloway, and Professors Doug Allen, Robert Craig, and Jude LeBlanc.

The series of group conversations provoked animated discussion of preparation skills common to all designers as well as those specific to the treatment of traditional work, including diligent research, subjection of the ego, and understanding cultural context. The specific use of the gift for lecture classes, studios, or a combination of offerings was viewed from various perspectives, producing many options that will be considered as the program shapes new opportunities for students and faculty.

“Few schools currently prepare design students adequately to work with existing fabric in the historic or the everyday cityscape, and hence there has been much public criticism of insensitive interventions,” said Dowling. “The Harrison Design Associates’ gift will expose many Georgia Tech students to the complexities of working with historic and existing fabric and also banish the myths that often accompany such work regarding the loss of traditional craftsmanship, the lack of a market, and the limitations on creativity.”

## Symphony Lecture Series held at Georgia Tech

The Atlanta Symphony Orchestra is planning to build a new, state-of-the-art concert hall and symphony center on Fourteenth Street just west of Peachtree Street. The symphony asked Ellen Dunham-Jones, director of the Architecture Program, to serve as an advisor and offered to deliver presentations of the seven semi-finalists’ interviews as free lectures at Georgia Tech this past March. Students, faculty, local architects, symphony devotees, and a broad range of interested members of the public were treated to exciting lectures by Bing Thom of Vancouver; Mack Scogin and Merrill Elam of Atlanta, both Georgia Tech alumni; Moshe Safdie of Boston; Santiago Calatrava of Paris, Valencia, and Zurich; Schmidt, Hammer, & Lassen of Aarhus, Denmark; and Steven Holl of New York. The symphony announced in June it had selected Calatrava as the architect for the project.

The high level of public interest in the lecture series and the project is very promising for architecture as a whole. Many hopes are riding on the new Symphony Center to provide Atlanta not only with an enviable hall for music, but also with a nationally identifiable architectural icon.

# City & Regional Planning and GIS News

## City & Regional Planning

### 50th anniversary celebration begins with lecture series

The first event in the yearlong fiftieth anniversary celebration of the City and Regional Planning Program is the (Re)Discovering Regionalism Lecture Series. This series of lectures has brought in major international speakers to discuss their work in understanding and promoting regional planning approaches.

Dr. Ann Markusen, professor of planning at the Humphrey Institute of Public Affairs at the University of Minnesota, was the kickoff speaker. In her presentation, “Actor-Centered Regional Analysis and Planning,” Professor Markusen suggested that economic development strategies should be targeted toward the capacity of the labor force (i.e., occupations) rather than toward attracting firms (i.e., industries).

The second speaker, Mr. Robert Yaro, president of Regional Plan Association, discussed the roles of civic organizations and governmental entities in promoting regional solutions to problems in New York, New Jersey, and Connecticut. He provided an overview of the regional plan process over the last twenty-five years and highlighted some of the key issues addressed in the Third Regional Plan in 1996. He concluded by describing the current program, Civic Alliance to Rebuild Downtown New York, a broad-based coalition of civic groups formed to guide the redevelopment of Lower Manhattan after the September 11 attacks. He emphasized the need to “take time to plan properly” rather than rushing to meet the needs of particular interests.

Additional lectures are planned for the fall semester. For more information, contact the City and Regional Planning Program at 404.894.2350.

### Faculty, graduates of City and Regional Planning Program honored as AICP fellows

The election to fellow is one of the highest honors that the American Institute of Certified Planners (AICP) bestows upon a member. This honor is recognition of the achievements of the planner as an individual, elevating the fellow before the public and the profession as a model planner with significant contributions to planning and society.

“Fellowship is granted to planners who have been a long-time member of AICP and have achieved excellence in professional practice, teaching and mentoring, research and community service, and leadership,” said **Glenn Coyne** (MCP 1987), director of AICP.



■ Anthony Catanese



■ Anthony Tomazinis

City and Regional Planning’s faculty and former faculty fellows include:

- **Chris Nelson**, FAICP, faculty, inducted in 2000;
- **Leon Eplan**, FAICP, former faculty, inducted in 2000;
- **Anthony Catanese**, FAICP, former faculty, inducted in 2001; and
- **Tom Roberts**, FAICP, adjunct faculty in 1986, inducted in 2000.

City and Regional Planning’s alumni fellows include:

- **Carol Barrett**, FAICP, master’s degree in 1975, inducted in 1999;
- **Les Solin**, FAICP, master’s degree in 1970, inducted in 1999;
- **Sidney Thomas**, FAICP, master’s degree in 1956, inducted in 2001; and
- **Anthony Tomazinis**, FAICP, master’s degree in 1959, inducted in 2001.

“FAICP is the highest recognition given to a planner,” said Cheryl Contant, director of the City and Regional Planning Program. “Having so many fellows with Georgia Tech connections is a testament to the quality of our alumni and past and current faculty.”

The fellow becomes a member of the College of Fellows, which has 220 members. The College of Fellows is primarily concerned with mentorship and the future advancement of planning.

## Geographic Information Systems (GIS)



The images show potential greenspace outlined in white and Atlanta parks in solid white.

### The GIS Center identifies potential greenspace for Atlanta

In early 2001, Trees Atlanta, a nonprofit citizens’ group dedicated to protecting and improving metro Atlanta’s urban environment by planting and conserving trees, decided to expand its goals by developing a greenspace acquisition support system for use in the city of Atlanta.

The purpose of this system is to use Geographic Information Systems (GIS) and remote sensing data to identify and prioritize potential greenspace. After evaluating numerous organizations based on their GIS expertise and capabilities, Trees Atlanta contacted the College’s Center for Geographic Information Systems (CGIS) to prepare a greenspace acquisition support system. Using agreed upon greenspace objectives as a guide, in conjunction with natural resource, demographic, and parcel-level tax information as well as existing

urban development data, the GIS Center developed a systematic, GIS-based, parcel-level greenspace acquisition support system for greenspace planning in the city of Atlanta. The greenspace support system is designed to identify and prioritize critical natural areas that:

- Preserve water quality;
- Contain urban forest resources; and
- Form wildlife corridors and connected trail systems through a contiguous system of greenspace.

The GIS Center recently completed this project and has presented the findings to the project sponsors, the Turner Foundation and Trees Atlanta. The results of the project are quite revealing. The GIS Center identified and prioritized more than 12,000 acres of undeveloped land, or 16.5 percent of the city’s total area, as potential greenspace.

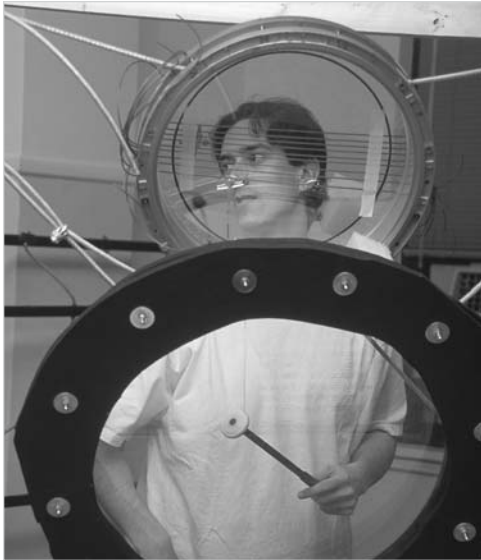
Potential greenspace was identified through visual interpretation of 1999 aerial photos. The potential greenspace areas range in size from 5 to 512 acres, with the majority of these lands located adjacent to Atlanta’s streams. The preservation of these lands will help protect water quality and forestry resources, while simultaneously promoting the creation of a connected greenspace network in the city of Atlanta.

Because the GIS Center’s greenspace support system clearly indicates priority land for greenspace acquisition and is supported by GIS data and analysis, the greenspace support system can help Trees Atlanta, the city of Atlanta, and other nonprofits make informed decisions based on objective scientific criteria when considering land for acquisition.

# Music News

## Spring’s performance featured original compositions

This spring, the Music Department presented a musical program to a packed house showcasing several works written specifically for Georgia Tech’s student musicians. The 2002 President’s Concert featured original compositions written by award-winning composer and producer Thomas Bahler, jazz pianist Dan Wall, and Georgia Tech Assistant Band Director Chris Moore.



Members of the Georgia Tech MIDI Ensemble performed at the 2002 President’s Concert using instruments of their own design, such as the drum tower seen here.

Lois Reitzes, program director of WABE Public Radio and host of the popular morning classical music program “Second Cup,” served as master of ceremonies for the evening’s program. The evening began with a work called Intertexture, written by Chris Moore and performed by the MIDI ensemble. Intertexture combined the modern timbres of synthesized percussion and classical orchestral music, performed on student designed and built instruments and installations. When building these instruments, the students draw from their majors while considering the needed strengths of the instrument, what materials to use, how much weight the instrument will support, and what forces will be applied.

“Being in this ensemble allows me to participate in two of my favorite things: music and engineering,” says mechanical engineering student **Justin Weaver**. “I draw a correlation between what I’m learning in my ME classes and what I’m building [in music]. For this semester, my main project [in music] was to construct and play ‘drum towers’ for Intertexture. The drum tower turned out to be a rolling platform with a structure built on top, inside which ‘flat’ drums were suspended by steel cables. It was an interesting architectural design.”

Throughout the performance, the student performers also controlled lighting and audio elements in real time.

Jazz pianist, composer, and recording artist Dan Wall performed Jazz Suite for Mary, along with tenor saxophonist Sam Skelton and the Tech Jazz Ensemble, under the leadership of Jazz Director Ron

Mendola. Wall composed this piece in 1997 for the Tech Jazz Ensemble as a tribute to his grandmother. “This was a year of new heights for the jazz program, with Sam’s great improv lectures, demonstrations, and his direction of Jazz II, our fall appearance with Diane Schuur, and now with Dan’s transcendent performance,” says Mendola. “Dan is truly one of America’s leading jazz pianists. The work is linear, with independent, pyrotechnic lines that would challenge any professional band, and the students rose to meet that challenge.”

Among the evening’s highlights was the premiere of Thomas “Tom” Bahler’s “Atlanta Skyline,” performed by the Georgia Tech Symphonic Band. The idea for Atlanta Skyline originated from a conversation between Bahler and Dean Galloway on how closely music is related to architecture. Because of that conversation, Bahler composed a piece of music that evokes the rhythms and motifs that represent Atlanta. “It’s a thrill for me to be able to write an expressionistic piece like ‘The Atlanta Skyline,’ one that is sublime, moving and, hopefully, full of emotion,” Bahler said. “I hope this draws attention to architecture and music, to show the marriage of the two.”



Guest Conductor Thomas Bahler began rehearsing with the Georgia Tech Symphonic Band on “The Atlanta Skyline” in January.

To better understand the origins of Atlanta’s skyline, Bahler interviewed several Atlanta architects—John Portman, Tom Ventulett, Jerry Cooper, and Larry Lord. Georgia Tech alumnus Bill Bell also flew Bahler over the city in his private plane so the composer could experience the skyline from the air.

Bahler completed his piece in fall 2001 and began rehearsing it with the Georgia Tech Symphonic Band in January 2002. “I enjoy spending time with young people and making a difference. Something that particularly drew me to Tech was meeting Bucky Johnson, director of the Music Program. The music faculty here is really over the top. They’re the best. The Tech Symphonic Band is as good as any I’ve ever heard,” he said. “They play with a fantastic freedom of expression.”



Above: New adjunct faculty member Sam Skelton



Right: Jazz pianist, composer, and recording artist Dan Wall

Also on the playbill were tenor sax soloist Sam Skelton and the Georgia Tech Chorale. Skelton, a new adjunct faculty member of the Music Department, and the Jazz Ensemble performed “Willow Weep For Me.” The song was written in 1923 by Ann Ronell and is associated with pioneer blues and jazz singer Ruth Etting.

The Georgia Tech Chorale, led by Director of Choral Activities William “Doc” Caldwell, performed “To St. Cecelia” to the accompaniment of an eleven-member brass ensemble. Norman Dello Joio’s cantata, “To Saint Cecilia,” was written in 1958, with text adopted by the composer from John Dryden’s poem “A Song for St. Cecilia’s Day.” Dryden’s text contemplates music’s power to awaken the emotions.

The spring concert is the highlight of the Music Department’s spring performances. To kick off the event, Dean Galloway and his wife, Sharon Perry Galloway, hosted a pre-concert dinner to raise awareness of the Music Program among alumni and to honor the special guest performers. Guests included Georgia Tech President Wayne Clough and his wife Anne, Tom and Beth Ventulett, John and Jan Portman, Mickey and Marily Steinberg, Bob and Patty Thompson, Rose Beattie, Tom Bahler, Jerry and Jean Cooper, Richard and Margaret Guthman, Robert McMath, Larry and Shannon Lord, Brent Reid, Mr. and Mrs. William Reed, Dr. and Mrs. Grady Clinkscales, Al Pierce, Eugenia Kelley, Lula Cowart, Frances Camp, Billie Whaley, Bucky and Janet Johnson, Bill and Janet Bell, Ken Gwinner, David Buchanan, Arol Wolford, Norman Dixon, and Donald and Lois Reitzes.

The evening’s performance was dedicated to Bucky Johnson, the Music Program director who retired at the end of spring semester. About 250 people attended a reception in Johnson’s honor following the performance. “I was really touched by the reception,” says Johnson. “It put a nice touch of closure on my Tech career, and having it at the President’s Concert added a special significance to the night. I was so proud of my colleagues and the music students for such an outstanding musical evening.”

## Upcoming Events: Music Department Concert Calendar

All concerts will be held at the Robert Ferst Center. For tickets, call 404.894.9600.

November 7

### “Surround Sounds”

The “Yellow Jacket” Band presents its’ first indoor performance and will feature small ensembles in a multi-media setting.

November 12

### “Symphonic Classics!”

Enjoy an evening of classic wind literature.

November 13

### “The GT Orchestra in Italy”

Musical ports of call throughout Italy including “Fall” and “Winter” from Vivaldi’s Four Seasons and Mendelssohn’s “Italian” Symphony.

November 25

### “Solos and Ensembles”

Georgia Tech instrumentalists will perform solo and ensemble literature from Handel to Bartok.

December 3

### “Chorale Concert”

The Georgia Tech Chorale and the Orchestra present “Bach Magnificat.”

December 5

### “Music of the Season”

Start your holidays off on a merry note with the Music Department’s annual holiday concert.

For more information on upcoming events, contact Christine Marks at 404.894.3193.

# Industrial Design and CATEA News

## Industrial Design



ID student Tom Moran models for sculptor Martine Vaugel.

### International sculptor conducts demonstration for ID students

More than a dozen local artists joined Industrial Design faculty and students in April for a sculpture demonstration by award-winning sculptor Martine Vaugel. Vaugel is a two-time winner of the Rodin Grand Prize Monumental Figure Competition.

During the three-hour presentation in the College atrium, sophomore Industrial Design student **Tom Moran** modeled for Vaugel as she demonstrated her sculpting method. The result was a two-foot standing figure of Moran.

Vaugel’s work is included in the collections of Presidents Bush, Reagan, and Carter. Her portrait of Mahatma Gandhi has been placed on his ashes and is used as an International Peace Prize. Vaugel’s sculptures can be found in Japan’s Hakone Open Air Museum, the Los Angeles Museum of Contemporary Art, and The Rockefeller Collection, among many others.

“What a great place the College of Architecture is for creative minds. Meeting the students was a wonderful experience for me, and I hope a few

of them will be inspired to try sculpting. It’s the best way I know of to express truth,” said Vaugel.

Vaugel resides in France’s Loire Valley, where she recently completed a commission for Charles Andre, Marquis de Brissac. The bronze standing figure of the marquis’ son has been installed as the focal point of a fountain in Chateau Brissac, Brissac, France. In addition to commission work, Vaugel conducts sculpture studios each summer in the Loire Valley. Her students learn techniques for sculpting portraits as well as standing, reclining, and seated figures.

“The human sculpture demonstration was wonderful because it relates to our program and others in so many ways—art, human factors, scale, and material,” said Lorraine Justice, director of the Industrial Design Program. “Martine Vaugel brought an international atmosphere of art to our College that day and a different way of looking at the world.”

For more information on the artist, visit [www.vaugelsculpture.com](http://www.vaugelsculpture.com).

## Center for Assistive Technology and Environmental Access (CATEA)

### CATEA links with ID to teach Human-Centered Design

Graduate and undergraduate students in the Industrial Design Program have a unique opportunity among design students nationally to learn about the influence of human factors on the design process. The course on Human-Centered Design has been offered for seven years through the program in Industrial Design. This year, it has been jointly taught by Professor Joseph Koncelik, the director of the Center for Assistive Technology and Environmental Access (CATEA), and Assistant Professor David Ringholz.

“While there is a growing trend to create courses that emphasize the ‘human center’ of design process in industrial design, architecture, engineering, and even business curricula, the COA/ID course is one of the first to incorporate issues of human diversity and technological response across a broad range of product and environmental issues,” says Koncelik.

Students in the course are exposed to the range of traditional human factors concepts and areas of expertise. The course also broadens to explore the means by which demographic, cultural, aging, racial and ethnic, and human capability issues provide a host of new twenty-first century challenges that must be accommodated.

Concepts such as “universal design” and “trans-generational design” are among the important philosophic constructs explored. The impact of the ever-increasing amount of civil rights legislation—including the Americans with Disabilities Act (ADA), the Fair Housing Amendment, Section 508 of the Rehabilitation Act, Section 255 of the Telecommunications Act, and the Patient Bill of Rights—are presented and discussed to familiarize students with their growing responsibilities to accommodate individuals with disabilities and aging adults.

The emphasis of the class is designing for others, not for “the self.” Defining the diversity of others and realizing how environments and product technology must accommodate that diversity poses challenges and significant new responsibilities

to the designer. “The students are exposed to the near- and long-term future for designers that is now and will be defined by an inexorable increase in the number of aging adults and issues of disability,” says Koncelik.

In this year’s course, Koncelik and Ringholz introduced the students to surface anthropometry, the study of human body measurements. Several students were voluntarily scanned using a 3-D photo-optical body scanner. Staff from CATEA presented information on assistive technology and ADA compliance. Dr. Brad Fain from the Human Engineering Systems Group in the Georgia Tech Research Institute presented information on product accessibility evaluation. Jamie Cahill, a woman who has overcome significant disability in her life, gave the students firsthand information on her efforts to remain independent and continue working with the help of assistive technology.

“Students have been charged with the examination of an ‘ergonomic system,’ a relationship between the human user of technology and the outcome of performance,” said Koncelik. “The challenge for the

student is to evaluate such a system with regard to the issues of human diversity: Are people of differing capabilities able to perform and how should the system accommodate them? Ergonomic systems such as automobile driving, interactions within bathrooms with appliances for grooming, and use of new processing and scanning technologies at super-market checkout stations are a few of the micro-environmental ergonomic systems explored and evaluated.”

Students in the Human-Centered Design course have an exposure to issues confronting the designer of the twenty-first century that will be an essential component of their expertise throughout their career. The instructors have challenged students in the class by stating that they become the advocate for attention to diversity after being exposed to human centering as a concept. In the process of designing the new century’s technology, products, and environments, the individuals and institutions that can address issues of diversity will have a decided edge in the marketplace. For more information, visit [www.catea.org/human.html](http://www.catea.org/human.html).

Professor Ringholz demonstrates alternative keyboard platforms originally designed for people with disabilities.



# Building Construction News

## New graduate program to debut this fall

This fall, the Building Construction (BC) Program will kick off a new graduate program in Integrated Project Delivery Systems. The graduate program, designed for contractors, architects, developers, and others in the construction industry, will help students understand, analyze, select, and manage the most appropriate and effective project delivery systems.

“It’s important to understand the different project delivery systems available now because providing affordable and effective construction for a project can often mean using a delivery system other than the traditional method most people are familiar with,” said Associate Professor Saeid Sadri. “The knowledge gained through this program can give employees an edge in doing their job and meeting their client’s needs.”

Selecting a project delivery system means “choosing the best way or system to work.” The comprehensive nature of the graduate program will illustrate the contractual relationships and the risk, time, and cost involved in using different project delivery systems. A variety of delivery methods will be explored, including the design-build system, the construction management/agent method, the hybrid bridging and partnering system, the negotiated select team method, and the traditional delivery method.

The program will examine the advantages and disadvantages of different project delivery approaches. By understanding each system, students can carefully evaluate a project in order to make an informed and appropriate decision. The additional knowledge and analytical skills gained through the program will allow graduates to add both value and savings to a project.

The graduate curriculum will incorporate integrated problem solving through state-of-the-art technical and management techniques. Classes will be offered in the evenings, so students can continue their professional work while studying at their own pace. The curriculum includes eighteen semester hours of required courses, twelve semester hours of master’s thesis work, and six semester hours of electives. Graduates of the program will receive an MS in Building Construction and Integrated Facility Management.

For more information about the graduate program in Integrated Project Delivery Systems, see [www.arch.gatech.edu/bc](http://www.arch.gatech.edu/bc) or call 404.894.4875. Applications are currently being accepted for the graduate program.



Amanda Ellington “test-drives” some new construction equipment.

## Industry shows unwavering support for Third Annual BC Golf Classic

On April 15, more than 140 golfers hit the links at the Standard Club in Duluth for the Third Annual Jim Dreger Golf Classic, an annual fund-raiser for the BC Program that has sold out every year.

Professor Dreger, former BC Program director and construction industry professional, was chosen as the tournament’s honoree upon his retirement from Georgia Tech in 1999. More than thirty-six teams took to the greens at this year’s tournament, including a team from presenting sponsor PAE and teams representing the following founding sponsors: Archer Western Contractors, B&W Mechanical Contractors, Hardin Construction Group, Holder Construction, J.A. Jones, Ryland Homes, and Turner Construction. The tournament gave BC students an opportunity to meet BC alumni and other construction leaders.

“The construction industry’s unwavering support of the tournament indicates its dedication to the BC Program and interest in the program’s success,” said Clay Landers, tournament co-chair and a partner with Camden Management Partners. “The number of sponsors involved really reflects the industry’s interest in investing in the education of tomorrow’s building construction leaders.” The Alumni Board Golf Tournament Committee was led by co-chairs Allen Dolphyn, project manager with Benchmark Building Contractors, and Landers. More than forty BC students also volunteered.

The first place gross score went to Turner Construction and second place gross score to Lowell White Properties. United Forming took first place net score, and Aiken Grading took the second place net score. Banks Burgess, with Lowell White Properties, and Les Stumpf, with Ryland Homes, won closest to the pin contests. Burgess also won the longest drive contest. Robert Fowler, with United Forming, won the putting contest.

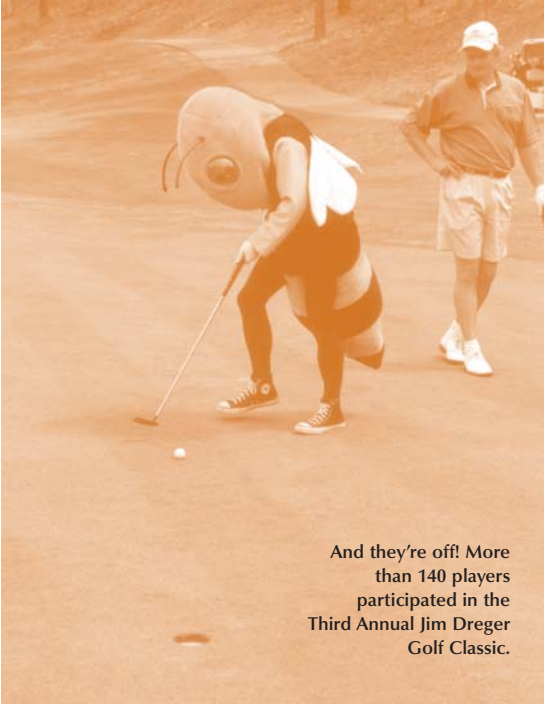
At the awards reception, Dale Thornton, vice president of PAE, expressed his company’s interest in supporting the BC Program and in working together with the BC Program in the future.

## SCA Students Attend National AGC Convention

The executive chairs of the Student Construction Association (SCA) attended the Associated General Contractors of America’s (AGC) 83rd Annual Convention and ConExpo in Las Vegas in March. It was an exciting meeting with lectures, presentations, shows, and many opportunities to meet new people.

The group attended a presentation by Dwight Beranek, chief of engineering and construction for the U.S. Army Corps of Engineers. Beranek spoke about the future of construction post-September 11, posing numerous thought-provoking questions while discussing the importance of achieving a balance between providing services to the public and security to tenants.

The Georgia Tech SCA representatives also explored the ConExpo at the Las Vegas Convention Center. There were 2,300 exhibitors at the Expo



And they’re off! More than 140 players participated in the Third Annual Jim Dreger Golf Classic.

### Presenting Sponsor

PAE Inc.

### Founding Sponsors

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Holder Construction Co.  
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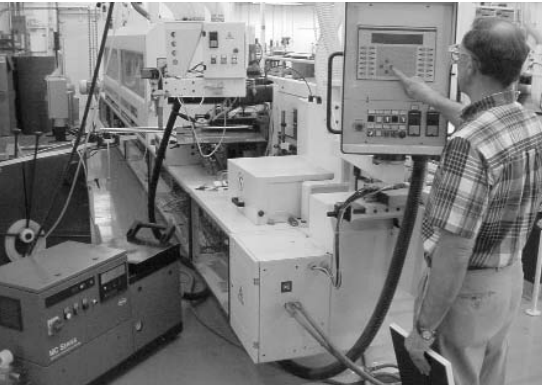
covering more than 1.9 million square feet and presenting the latest in earthmoving, hydraulics, lifting, pumps, and mobile concrete batch plants. JCB Construction Equipment’s “Dancing Diggers” performance was the most entertaining show given by an exhibitor, though CAT, Volvo, WR Grace, JRB Company, and Diamond Products also had interactive models and interesting booths as well.

The convention was very informative and assisted the officers in planning future SCA activities. The SCA representatives also benefited from interaction with industry leaders, vendors, and other student leaders from around the world.

# AWPL and Ph.D. News

## Advanced Wood Products Laboratory (AWPL)

### Nordson Corporation supports AWPL with equipment donation



AWPL Director Karl Brohammer programs the edgebander to spray hot melt adhesive.

Nordson Corp. has provided the Advanced Wood Products Laboratory (AWPL) with some of the latest adhesive application equipment—an EB60V adjustable edgebanding slot gun and an MC 7 adhesive application system.

“The Nordson adhesive application equipment allows demonstration of the latest technology available for edgebanding and to compare adhesive application systems,” says Karl Brohammer, director of AWPL.

The edgebanding slot gun provides a high-quality, versatile hot-melt adhesive application not traditionally seen in the woodworking industry.

“The direct spray system allows for precise and metered adhesive application,” says Brohammer. “Thereby, application, product control, and use of a wide variety of hot-melt adhesives could relate to a possible cost savings to the manufacturer in production of finished goods.”

“The AWPL, with its state-of-the-art woodworking equipment, allows Nordson to work with other industry leaders to advance automated wood products manufacturing,” says Dave Deibel, Nordson woodworking industry specialist. “The opportunity to perform demonstrations with current and future woodworking professionals is invaluable and allows the feedback we need to continue to advance the role of adhesive application in secondary wood products manufacturing.”

The AWPL recognizes the growing importance of technology to the global wood products industry. Expanding the development and use of Computer Numerical Control (CNC) technology will help the U.S. woodworking industry become high-tech, nimble, and competitive in world markets. The means to accomplish this include education and training, demonstration, and research and development. For more information on AWPL, visit [www.arch.gatech.edu/awpl](http://www.arch.gatech.edu/awpl).

Nordson Corp. is a leading producer of precision dispensing equipment. Nordson systems apply adhesives, sealants, and coatings to a broad range of consumer and industrial products during manufacturing operations. The company also manufactures technology-based systems for curing and surface treatment processes.

### AWPL offers training workshops for woodworking professionals

The Advanced Wood Products Laboratory (AWPL) began offering training workshops in July for woodworking professionals, with training conducted at the AWPL’s state-of-the-art technical facility near campus. The education and training program at AWPL is being developed to support the technical requirements of the secondary wood processing industry in the United States.

“In order for U.S. companies to compete effectively in today’s global market, they must develop efficient manufacturing capabilities that provide fast response, flexibility, and product quality,” said Phil Bryant, AWPL’s associate director of Education and Training. “Wood manufacturers have responded to these competitive pressures by automating their operations en masse over the last few years; however, they have experienced a severe shortage of qualified workers. Machine technology advancements require a technically educated work force, and the demand is far outweighing the supply. The AWPL is addressing this concern by offering a variety of technically based courses to the industry.”

Courses have been developed for designers, programmers, and other individuals interested in learning skills needed to operate Computer Numerical Control (CNC) machinery as well as other automated woodworking machines. Basic Computer Aided Design (CAD) is offered as a preparatory skills class. Hands-on training is conducted in basic and advanced programming for CNC routers, CNC boring machines, and computerized panel saws. Operation and maintenance classes are also conducted for edgebanders, wide belt sanders, and moulders.

For a complete schedule of courses, contact Carol Whitescarver at [carol.whitescarver@arch.gatech.edu](mailto:carol.whitescarver@arch.gatech.edu) or call 404.894.1096.

## Ph.D.

### Recent developments in Space Syntax and Architectural Morphology

The spatial morphology field has been substantially strengthened with two new hires, Dr. **Sonit Bafna** and Dr. **Ruth Conroy Dalton**. Bafna and Dalton’s interests span across the range of special research applications represented in the Ph.D. program.

While **Dalton’s** main expertise lies in spatial intelligibility, she also brings new insights into the applicability of spatial theory and techniques of analysis to better understand and further develop virtual space. Two recent papers document this work:

Conroy Dalton, R., B. Bazan, X. Liu, L. Migoski, and D. Yang. “Through a Glass Darkly: A Case for the Study of Virtual Space.” Paper presented at the 90th ACSA (Association of Collegiate Schools of Architecture) Annual Meeting, New Orleans, April 11-14, 2002.

Conroy Dalton, R. “Is Spatial Intelligibility Critical to the Design of Large-scale Virtual Environments?” *International Journal of Design Computing* no. 4, Special Issue on Designing Virtual Worlds (2002).

**Bafna** is working toward new methods of architectural criticism that take full advantage of innovative techniques of spatial analysis as represented in his recent publication:

Bafna S, 2002, “Frame in Chicago: Mies’ Journey from Germany to the United States,” Proceedings of the Southeastern Conference of the ACSA.

Georgia Tech’s role in developing and promoting new techniques of spatial analyses that are nationally and internationally recognized has recently been reflected in the inclusion of a chapter on

“space syntax” in the *Handbook of Environmental Psychology*, for the first time since the handbook has been in publication:

Peponis J, Wineman J, 2002, “Spatial Structure of Environment and Behavior,” in Bechtel R, Churchman A (eds), 2002, *Handbook of Environmental Psychology* (New York: Wiley).

Other activity in this area includes research on the impact of spatial layouts on the effectiveness of science exhibitions, funded by the Informal Science Education Program of the National Science Foundation. Professors John Peponis and Ruth Dalton are working on this project in collaboration with Jean Wineman at the University of Michigan.

### Precast Concrete Software Consortium moves to next level

The Winter/Spring issue of the Newsletter outlined the development effort that Chuck Eastman, professor of architecture and computing and director of the Ph.D. Program; Rafael Sacks, research associate; and Ghang Lee, Ph.D. student, have undertaken with the Precast Concrete Software Consortium. In response to the specification they developed with the Consortium, twelve software companies or groups of companies submitted proposals for developing a product with the consortium for the precast concrete industry. Of these, six were short-listed. The Georgia Tech team held fact-finding meetings

with each company. Each was reviewed for capabilities of the software CAD platforms to support interactive 3D parametric design—involving hundreds of thousands of elements—multi-person access, and support for extensibility and customization, to allow automatic building layout and part definition, structural analysis and design, and part detailing. The companies were also evaluated regarding their ability to provide precast design and engineering expertise to embed in customized applications. On May 6-8, the proposing companies came to Atlanta and made two-hour presentations to the Consortium’s technical committee.

After review, two company groups were selected for further consideration. The first involved a CAD platform based on Solidworks, a parametric modeler originally developed for mechanical design, with the precast customization being done by LEAP Software of Tampa, Florida. The second was Tekla, an engineering software company from Finland that has developed parametric design systems for a variety of other industries, including structural steel, electrical, and communication grids.

Final selection between the two will be made during the summer, after the Consortium gains hands-on experience with both systems. When the final selection is made, the Georgia Tech team will begin the next major phase of the project, in which they aim to define an industry-wide precast data model. The model will support integration of the new 3D precast modeling software with other enterprise applications.



The “Alumni News” section highlights promotions, awards, scholarships, fellowships, and publication of books. Let us hear from you. It’s a good way to stay in touch with your classmates.

Who

What

When

Where

Submitted by

Degree

Year

Phone

Street Address

City, State

ZIP

E-mail Address

Clip and mail or fax to:

**Barbara Christopher**  
Georgia Institute of Technology  
College of Architecture  
Atlanta, GA 30332-0155  
E-mail: [barbara.christopher@arch.gatech.edu](mailto:barbara.christopher@arch.gatech.edu)  
Fax: 404.894.2678

# Continuing Education News

## Georgia Tech hosts Design and Construction Industry Training for non-technical professionals

In May, more than eighty-five A/E/C professionals from twenty-five states met at Georgia Tech to take part in a design and construction industry training session for non-technical professionals, hosted by the College in partnership with the Society for Marketing Professional Services. Construction business managers, finance managers, administrative personnel, human resources officers, and marketing professionals attended the program’s national debut.

“Given the complex, interdisciplinary nature of the design and building industry, a need clearly exists for all individuals engaged in this business to understand the industry as a whole,” said Dean Galloway. “We wanted to provide a comprehensive overview of the industry’s structure, procedures, processes, and key players.”

During the three-day program, architects, engineers, and other industry experts spoke to the audience about a range of topics including:

- the development process
- delivery options
- procurement
- contracts
- what architects, engineers, and general contractors do and how they do it
- building systems
- design-build
- codes and regulations
- risk and insurance
- building economics and industry trends

A preliminary version of the program was piloted locally in January to test and fine-tune the curriculum before presenting it to a national audience. Leading the curriculum development team was Brian Bowen, executive in residence at the College.

“Probably one in five people working in design and construction do not have a technical background in the industry. It is surprising that no one has thought to put together a course targeted at this audience before now,” said Bowen. “Given the success of this program, we’ve already begun planning to repeat the program in February 2003 in Washington, D.C.”

In addition to Bowen, program faculty members included Seth Barnhard, Barnhard Consulting; William Dean, partner, Newcomb & Boyd Consulting Engineering Group; Mike Dell’Isola, senior vice president, Hanscomb; Judy Gordon, architect and faculty member, College of Architecture; Allison Hodges, risk management analyst, Victor O. Schinnerer & Company; and Robert Salmon, senior vice president, Holder Construction Company.

The program was sponsored by Hanscomb ([www.hanscombusa.com](http://www.hanscombusa.com)), the world’s third largest construction management-for-fee (non A/E, non-contractor) firm; and CNA/Victor O. Schinnerer & Co. ([www.schinnerer.com](http://www.schinnerer.com)), a leading underwriting manager of professional liability products and services.

For more information on this program or other College Continuing Education programs, contact Carol Whitescarver at 404.894.1096 or by e-mail at [carol.whitescarver@arch.gatech.edu](mailto:carol.whitescarver@arch.gatech.edu), or visit [www.arch.gatech.edu/programs/conted](http://www.arch.gatech.edu/programs/conted).

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