Annual Report Executive Summary
2007-2008

College of Architecture
Georgia Institute of Technology

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EXECUTIVE SUMMARY
2007-2008 ANNUAL REPORT OF THE COLLEGE OF ARCHITECTURE
GEORGIA INSTITUTE OF TECHNOLOGY

This Executive Summary highlights the College of Architecture’s accomplishments of the past year; changes in enrollment, faculty, staff, and resources; our international engagement; and new initiatives. This summary also documents our affirmative action recruitment steps and plans; significant program accomplishments in the Architecture, Building Construction, City and Regional Planning, Industrial Design, Music, and Doctoral Programs, and the Architecture Library; the distinguished honors of our faculty and staff; progress made in the College’s research and creative activities by the faculty and the College’s six research centers (Center for Assistive Technology and Environmental Access (CATEA), Construction Research Center (CRC), Center for Geographic Information Systems (CGIS), Center for Quality Growth and Regional Development (CQGRD), the Advanced Wood Products Laboratory (AWPL), and the Interactive Media Architecture Group in Education (IMAGINE Lab); development of our outreach initiatives; and advancement in institutional planning.

This year continued to be a year of transition as the Provost undertook an international search for a new dean to lead the College, which ended successfully with the appointment of prominent scholar and educator Alan Balfour. Most recently dean of Rensselaer Polytechnic Institute School of Architecture, Dean Balfour began his tenure in July 2008. The unexpected death of the previous dean Dr. Thomas Galloway in March 2007 along with last year’s unprecedented staff turnover might have immobilized the College. However, under the leadership of Interim Dean Douglas Allen, the College moved forward in many significant directions; including hiring Teri Nagel as the College’s first full-time communications officer; creating task forces to study undergraduate curriculum, research centers and academic programs, the PhD program, and publications and outreach; participating in the Department of Energy’s International Solar Decathlon competition in Washington, DC; and receiving a $6.4 million appropriation from the State of Georgia for the renovation of the Hinman Research Building for use by the College.

College-wide accomplishments include the following:

- Dr. Bruce Stiftel was appointed to direct of the City and Regional Planning Program after a national search to fill the position vacated by Dr. Cheryl Contant, who resigned to accept a provost position at the University of Minnesota-Morris.

- Professor Chuck Eastman resigned as director of the PhD Program to devote more time to his research in Building Information Modeling (BIM). Dr. John Peponis was appointed as Interim Director.

- Jon Sanford was appointed as director of CATEA following the resignation of Dr. Stephen Sprigle, who resigned to focus on his research and teaching. Sanford also received a half-time, tenure-track appointment in Industrial Design.

- The College appointed part-time visiting professors Michael Dobbins and David Green as Professors of Practice. A specialist in urban design and public planning, Dobbins has practiced for over 40 years in cities such as New York, New Orleans, Birmingham, Berkeley, and most recently Atlanta as the Commissioner of Planning, Development and Neighborhood Conservation. His appointment will be in both the City and Regional Planning and Architecture programs. An architect, David Green is a principal in the firm of Lord, Aeck & Sargent and has taught in the Architecture Program since 1992. His expertise is in residential and commercial design, community development, zoning, and land use.

- The College made the following appointments: Dr. Baabak Ashuri (PhD, Georgia Tech) to Assistant Professor in Building Construction; Dr. Javier Irizarry (PhD, Purdue University) to Assistant Professor in Building Construction; Daniel Baerlecken (Diploma—Faculty of Architecture, Aachen University of Technology) to Visiting Assistant Professor in Architecture; and Benjamin Didden (Master of Music, University of Tennessee) to Visiting Assistant Professor in Music.
• Ann Gerondelis was appointed as the Common First Year (CFY) Coordinator, a new part-time Academic Professional position to help oversee the program with Associate Dean Sabir Khan.

• Associate Professor Dr. Dan Immergluck was awarded tenure in City and Regional Planning.

• Dr. Kathy Roper was appointed to Associate Professor with Tenure in Building Construction.

• Dr. Brian Stone was promoted to Associate Professor, with tenure in City and Regional Planning.

• Dr. Linda Thomas-Mobley was appointed as Associate Director in Building Construction.

• Dr. Felix Uhlik retired as an Associate Professor in Building Construction.

• The Music Department awarded the first ever Master of Science in Music Technology degree in spring 2008.

• In 2007, the College received word that it was the primary benefactor of the Estate of T. Gordon Little (1915-2004), a prominent Atlanta interior designer and collector who wanted to enable talented students to study architecture. Little’s unexpected gift will support graduate students who pursue a Master of Architecture degree.

• In November 2007 in Paris, France, the College co-hosted the symposium *Architecture and the Technological Unconscious* with the Ecole Nationale Supérieure d’Architecture de Paris La Villette and Georgia Tech’s School of Literature, Culture, & Communications (LCC).

• In February, the College hosted its annual Dean’s Symposium, entitled *The Duomo of Santa Maria del Fiore: The Legacy of Its Construction*. The day-long event explored fifteenth-century Florence using scholarly discussion and leading visualization technology to reveal historic connections between architecture, engineering, and construction practices. The final panel related the construction of the dome to present-day issues of AEC Integration. The audience included scholars, practitioners, students, and lay people.

• In partnership with the Georgia Tech Library, the College started a monthly COA Research Forum led by Dr. Leslie Sharp. Held in the Architecture Library, the series provides an informal forum for faculty, researchers, or students to present their work, explore ideas, and identify opportunities for collaboration.

• On March 13, 2008, the College and its PhD Program hosted the *Adopting Building Information Modeling and Integrated* Symposium, which explored critical issues surrounding BIM from multiple perspectives. The event brought together authors of the recently published *BIM Handbook*, the deputy editor of the *Architectural Record*, and consulting editor of *GreenSource*. Reed Construction Data sponsored the event.

• In March, the College hosted the 24th National Conference on the Beginning Design Student entitled *We Have Never Been Pre-Disciplinary*, which included multiple keynote addresses, panel sessions, and paper session from well-known scholars, designers, and educators.

• In June, CATEA and the College hosted the *Building Comfortable and Livable Environments for All* workshop of the International Council for Research and Innovation in Building Construction (CIB) with participants from Italy, South Africa, Belgium, Turkey, the Netherlands, New Zealand, Greece, and Japan.

• The College received the papers and book collection of Francis Palmer Smith (1886-1971), the first head of the Architecture Department, from his architect son Henry Howard Smith. This collection will be maintained by the Georgia Tech Library and Archives.

• The College signed an agreement with the Georgia Tech Library and Archives for the Heffernan Design
Archives, currently stored at the Heffernan House, to be transferred to the Georgia Tech Archives in order to maintain professional archival standards for its preservation, processing, and accessibility.

- The College maintained a solid record of externally funded research through its instructional programs and research centers. This past year, new contract awards increased to $4.9 million, up from $4.25 million the previous year. The College has sustained a high level of research among its peers with an average of $6.83 million in new contract awards per year over the past five years. Increasing our funded research remains an ongoing priority.

The Chronicle of Higher Education released its 2007 national rankings of faculty production in research universities, placing the Georgia Tech College of Architecture as number three for the category of architecture. The rankings are based on the research and scholarship activities of faculty listed on the PhD websites of schools of architecture across the country.

- The College's international programs in Paris, France; Summer Study Abroad Programs in Holland-Paris-Berlin; and in Greece and Italy continued their strong tradition. In AY 2007-2008, 111 students from the College of Architecture participated in a study abroad experience, either through one of the College’s programs, or through another program at Georgia Tech. Among degree recipients, 82 or 48.81% of the College’s undergraduate students participated in a study abroad program while enrolled at Georgia Tech and 29 or 25.44% of the graduate students participated.

Enrollment and Degrees Awarded: Enrollment in the College achieved a new enrollment record with a high of 1,210 students enrolled in fall 2007, which represents an increase of 60 students over the previous year of 1,150 students enrolled. In the College as a whole, undergraduate enrollment decreased to 759 students from 780 and graduate enrollment increased to 451 students from 370 students. Student enrollment in the Common First Year (CFY) decreased to 185 students from 244 students the previous year. However, the overall high enrollment in the College is best represented by the fact that the enrollment has increased by 28% over the past five years. This substantial and continuous growth in enrollment continues to stress the physical facilities of the College. In the past year, the College awarded 168 Baccalaureate degrees, 104 Master’s degrees, and 2 PhD degrees, which represents an increase in the overall number of degrees awarded. There were 926 students enrolled in music classes in the fall of 2007 and 817 in the spring; and the first ever Master of Science in Music Technology degree was awarded in spring 2008.

Diversity: The College continues to place increased diversity of its faculty as a high priority. The full-time academic faculty is composed of 4% African American, 4% Hispanic, 12.24% Asian, and 22.4% women. Although the College compares well nationally among its peers, the need to continue efforts to increase the diversity of its faculty and staff in future appointments continues. The percentage of African American graduate students remained fairly steady at 10.4% from 10.5%, as did the percentage of African Americans enrolled in our undergraduate programs from 4.3% to 4.5%. Overall, ethnic minorities now account for 30% of the total student population within the College of Architecture. Females make up 43.6% of undergraduate students and 40.4% of graduate students. Part of the College’s outreach efforts included its participation in the Atlanta University Center’s Graduate and Professional School Fair in October 2007. The College’s Diversity Committee continued to advocate for increased participation in the Institute’s FOCUS Program, as outlined in their strategic plan for College-wide diversity. Faculty and staff worked hard to get more students to participate in the FOCUS 2008 program, resulting in 14 potential applicants to the College participating in the 2008 program. With support from the Alcoa Foundation, the College was able to attract and assist diverse rising high school juniors and seniors to its Career Discovery in Architecture summer enrichment program. The College will continue to strive to increase the number of potential recruits for the FOCUS program; and will continue to refine its strategies for attracting more diverse applicants interested in the College at all levels.
The accomplishments of the individual programs of the College over the past year were many:

- **Architecture:** Overall enrollment for fall 2007 was 512, a decrease of 9.9% from last year’s total of 568. There were decreases in both graduate and undergraduate enrollment, which declined 6.3% and 10.8% respectively. However, space still remains a challenge as enrollment has steadily increased over the past decade. The past six years have seen a steady rate of growth in the undergraduate program from 268 majors in 2001 to 393 in the fall of 2007. Graduate enrollment has remained steady over the same period with 111 Master of Architecture students enrolled in the fall of 2007 plus 17 Master of Science and 8 French exchange graduate students from LaVillette. The new Master of Science in Classical Design began with 7 students in the fall of 2007. Twenty-three undergraduate students participated in the Paris Program. Thirty-five architecture students are pursuing the Institute’s International Plan designation and the program has had two graduates with the International Plan designation. The Architecture Program completed its strategic plan and defined 4 new strategic directions: design and the arts; sustainability and ecological literacy; urban design and policy; and digital manufacturing and technology integration. Following the National Architectural Accrediting Board (NAAB) Accreditation Team visit in February, the Master of Architecture was formally granted a 6-year term of accreditation by NAAB.

Faculty members in the Architecture Program secured new external funding totaling $411,651 with an additional $297,187 for faculty with joint appointments in the PhD Program. Dr. Athanassios (Thanos) Economou brought in the majority of the program funding with $321,481 for his work with the General Services Administration (GSA) on federal courthouses. Dr. Ruchi Choudhary also brought in $90,165 for work on simulation in healthcare facilities. Dr. Choudhary, Chris Jarrett, Dr. Franca Trubiano, and Dr. Russell Gentry led the Solar Decathlon interdisciplinary team to a sixth-place finish. The team also won the BP Award for Innovation. After the competition, the team moved the house back to campus where almost 2,000 visitors have toured the house, including the Chancellor of the University System of Georgia, state legislators and other elected officials, business people, school groups, activists, the Georgia Tech Community, and many other interested citizens.

The Architecture Program faculty maintained a high level of scholarly activity during 2007, collectively producing 2 books, 4 book chapters and encyclopedia entries, 1 article in refereed archival journals, 19 refereed conference proceedings, 5 articles or papers non-refereed journals or proceedings, and 4 research reports. Faculty members gave a total 33 keynote or invited lectures; gave 35 other lectures at conferences and symposia; had their work exhibited 18 times; and received 10 cites in books and national journals. Paris Program Director Dr. Libero Andreotti’s book *Le Grand jeu A Venir, Textes Situationistes Sur La Ville* was published in November 2007 by Editions La Villette. The Georgia Tech team of 10 Architecture Program faculty, 11 students, and 1 alumna won second place and the Infinite Award for Extraordinary Design from the History Channel’s City of the Future design competition. Dr. Robert Craig received the 2007 SESAH essay award for a book chapter on the Dixie Highway and was named Architecture Editor for the *Groves Dictionary of Art*. Dr. Benjamin Flowers was the recipient of the Scott Oppler Fellowship by the Society of Architectural Historians. Michael Gamble won an AIA/Brick SE Merit Award for work with Gamble + Gamble. Ellen Dunham-Jones received an AIA-Atlanta Certificate of Appreciation. Dr. Russell Gentry received an award of appreciation from the American Society of Testing and Materials (ASTM). Professor Doug Allen won the Governor’s Award for Historic Preservation Stewardship. Charles Rudolph taught the Studio for Creative Inquiry, an after-school instructional program at Benjamin Mays High School. Associate Professors Mark Cottle and Sabir Khan with Industrial Design alumnus Alfredo Aponte developed the wildly popular Pecha Kucha Atlanta for the presentation of design and other creative works. Atlanta City Council issued a Proclamation of Thanks to David Green’s senior studio for their work on the Old Fourth Ward.

- **Building Construction:** Enrollment in the Building Construction Program continued to increase. Undergraduate enrollment increased from 200 to 215, an increase of 5% over the year before. At the graduate level, the MS BC Program increased from 70 students to 104 in the fall of 2007. This is a 128% growth in the BC program since the fall of 2000. BC passed the second year ACCE accreditation review in 2008 for a 6-year term of accreditation.
The Building Construction faculty continued their research and scholarship activities, which are reflected under the Construction Resource Center section of this summary. The faculty and staff expanded their outreach activities, which included hosting their annual golf tournament and career fair, accepting multiple speaking engagements, and holding leadership positions in many professional organizations. Dr. Kathy Roper launched the first Building Construction Distance Learning course taught for General Motors (GM) in fall 2007 with more to be added in the future. Director Dr. Roozbeh Kangari was an invited speaker at the Georgia Apartment Industry Education Foundation (GAIEF) in Atlanta, May 2008.

The Building Construction faculty and students received several awards. Assistant Professor Dr. Daniel Castro received the Class of 1969 Teaching Fellow Award, 2008-09 from the Institute and the 2007 Best Paper Award by the Royal Institution of Chartered Surveyors (RICS). Roper received the 2007 International Facility Management Association’s Distinguished Author Award of Excellence and the IFMA Fellow, Class of 2007 Award. PhD student Parminder Juneja received the IFMA Foundation Scholarship at the World Workplace 2007 conference in Louisiana; and PhD student Valerie Riecke received the Thomas Meredith Junior Fellowship award.

**City and Regional Planning:** This year, the City and Regional Planning Program increased its already high level of student enrollment, with 101 students enrolled in the master’s degree program and 18 students in the City and Regional Planning doctoral studies field for a total of 119 students. Dr. Cheryl Contant resigned as director to become Vice Chancellor for Academic Affairs and Dean at the University of Minnesota, Morris. After a national search for her replacement, Dr. Bruce Stiftel, most recently dean of graduate studies at Florida State University, accepted the appointment as the new director as of August 2008.

The research productivity of the faculty continues to be extremely strong. In total, 12 faculty members published one edited book, 14 refereed journal articles, 9 chapters in edited books, 2 research monographs, and 3 book reviews in journals, in addition to over a dozen manuscripts in review. Five faculty members currently serve on the editorial boards of key planning journals. Faculty members were also manuscript reviewers for 19 peer-reviewed academic and professional journals. They made presentations at dozens of national conferences and international conferences, including several plenary or keynote presentations. Faculty members are currently working on 13 different funded research projects, including 7 ongoing or renewed projects and 6 new research projects over the past year. Faculty brought in $517,880 in new research awards. The CRP Graduate Research Assistantship Co-op Program enrolled the largest number of students ever, with just under 60 student semester-long placements. These Co-op placements provide an additional $300,000 in student financial support and valuable on-the-job training.

Dr. Cheryl Contant was elected Vice President/President-Elect for the Association of Collegiate Schools of Planning (ACSP). Dr. Nancey Green Leigh was inducted into the College of Fellows of the American Institute of Certified Planners. This makes a total of five FAICP faculty (current or emeritus) in the program, once Dr. Stiftel joins the faculty. Dr. Immergluck continues to serve as the southeastern regional representative to the Governing Board of ACSP and remained one of the most quoted Georgia Tech faculty members for his expertise on housing and the mortgage crisis. Two of our faculty members participated in accreditation site visits for the Planning Accreditation Board (PAB), and four other faculty members continue to serve on the site visit pool of the PAB. Dr. David Sawicki participated in the revision of the American Institute of Certified Planners (AICP) exam process and continued his service as the editor of the *Journal of the American Planning Association*. One student serves as the elected student representative to the Georgia Planning Association. Several CRP students presented papers at national conferences of ACSP and the Transportation Research Board of the National Academies of Science.

**Industrial Design Program:** The Industrial Design Program continues to be recognized in national media. For the second year in a row *Business Week* ranked it among the “Top Design Programs in the U.S.” In 2007, *Design Intelligence* rated the Program very highly—the graduate program as number three and the undergraduate program as number 11. Last fall, there were 163 undergraduate majors enrolled in ID or pre-ID and 32 Master of Industrial Design students (MID). Graduate applications increased slightly with 52 people applying for fall 2008 admission; the program accepted 14. The ID Program has faced extreme challenges in serving its growing number of students. Following the departure of three tenured faculty members and an unsuccessful tenure-track search, the corps of instruction this past academic year was comprised of only two full-time tenure-track faculty members
and 17 part-time or visiting faculty members. Dr. Stephen Sprigle, former director of CATEA now holds a full-time academic appointment. One year visiting assistant professor appointments include Kevin Shankwiler (MID, Georgia Tech) and Neta Ezer (PhD, Georgia Tech).

Including part-time faculty, visiting professors, and the prolific work of Dr. Sprigle, ID faculty and instructors published 3 book chapters, 5 articles, 19 conference proceedings; were invited to give 10 conference presentations; and gave 6 conference seminars. Mullick revived $30,800 from three ACS Transportation Solutions for Parking Meter Technology. Dr. Claudia Winegarden received support for interdisciplinary studios Designing the Retirement Community of Tomorrow and the Designing the Design Classroom of Tomorrow. She also participated in designing several exhibit installations, as did Visiting Assistant Professor Carla Diana and part-time lecturer Mike Glaser.

Under the leadership of Dr. Claudia Winegarden, the ID lecture series completed a successful second year. The Institute approved the ID Program’s International Plan developed by Visiting Assistant Professor Carla Diana and ID Academic Advisor Troy Whyte. ID students also will have the opportunity to participate in a formal student internship and co-op experiences through Shankwiler’s work with the Georgia Tech Office of Co-op Education. Abir Mullick and Winegarden were appointed Georgia Tech GVU faculty members. ID students were successfully engaged in the larger community: graduate students started a lecture series called LiveD; undergraduate students entered 7 furniture designs in the AWFS student furniture competition, four placed; students set up an event with architecture students called Viva Studio that included tours of design firms, galleries, and workshops; and students designed exhibits for the Georgia Tech Solar Decathlon House under the supervision of Dr. Winegarden. The Summer 2008 issue of Georgia Tech’s Alumni Magazine featured five ID alumni: Alfredo Aponte, Brandon Swafford, Clint Zeagler, Mike Fishetti, and Daniel Barbalho.

• PhD Program: Enrollment remained fairly stable in the PhD Program with 78 students enrolled in the fall 2007, an increase of two students from the previous year. Seven doctoral students graduated, bringing the total number of PhD degrees awarded by the College to 90. There were 68 applications to the program, representing at least 10 different nationalities. The most applications came from the United States (18) followed closely by the Middle East (13), Korea (13), China (10), Turkey (5), India (4), Taiwan (3), South America (2), Europe (1), and other S. Asia (1). Twenty-one applicants were accepted and 16 declared intention to enroll.

The PhD faculty continued their strong tradition of research and scholarship producing 2 books, 6 book chapters, 30 refereed journal articles, 50 papers in published proceedings, and 6 other significant publications (numbers include Dr. Stephen Sprigle’s work). The faculty and students gave 66 public presentations, which included 6 keynote addresses and 7 invited lectures. The students published 12 papers in refereed journals and gave and/or published 42 other papers at conferences and/or in student publications. The faculty and students continue to be active on numerous boards and organizations; are involved in numerous outreach and consulting activities with industry, professional associations, and academic institutions; and serve in a variety of editorial capacities.

For the 2008 fiscal year, the official figure for newly funded research by the COA PhD faculty is $562,223 (which includes faculty with joint appointments in Architecture). The largest part of the contracts is for health care facilities, with Dr. Craig Zimring as PI. PhD Program Director Chuck Eastman, Dr. Godfried Augenbroe, and Dr. John Peponis also have funded research. Professor Eastman remains on the leading edge of Building Information Modeling (BIM) exemplified by the co-authorship of the BIM Handbook, numerous invitations to speak, the hosting of the BIM Symposium with the College, and collaborations with industry partners.

• Department of Music: The Music Department achieved a major milestone this year in graduating its first student with Master of Science in Music Technology. Mark Godfrey graduated spring 2008 and began work immediately with Gesture Blue a start-up company created by Assistant Professor Dr. Gil Weinberg. The company is based on technology developed in conjunction with students for mobile gestural music making—a licensing agreement is currently under negotiation with GTRC and $150,000 has been raised from Georgia Research Alliance with additional funds from other sources. Dr. Weinberg also will be launching a multidisciplinary research center in the fall called the Georgia Tech Center for Music Technology. The College is
spearheading the effort with support from the Colleges of Computing and Engineering and the Office of the Vice Provost for Research. The Music Technology Group received the Kim Scott Logan Award from the College of Architecture.

Faculty participation at conferences, meetings, and performances and scholarly output remains high and included 5 performances, 1 curatorships, 4 book chapters, 9 papers at conferences/meetings, 9 journal articles, 12 peer-reviewed proceedings, 9 invited presentations including 5 keynotes, 3 guest conducting invitations, 11 compositions, 8 significant performances, 2 utility patents, 3 provisional patents, 3 computer software applications, 1 technical advisorship, 2 editorships, and multiple reviewer opportunities. Gil Weinberg was awarded $449,090 from the National Science Foundation for further development of a robotic musician.

Highlights of the Music Department’s work included a performance of the Glee Club led by Jerry Ulrich at Carnegie Hall and a 10-day tour of England, Scotland, and Wales that included concerts, clinics, and workshops at several distinguished public and private schools. Music Technology continued to gain visibility through the Music Technology Group’s Listening Machines events; performances by Sonic Generator coordinated by Assistant Professor Dr. Jason Freeman; and Dr. Freeman’s many cutting-edge compositions performed in New York, Miami, Atlanta, and San Jose, California. One of Freeman’s greatest achievements was *Flock*, an evening-long performance during Art Basel in Miami Beach, which included a saxophone quartet, dancers, audience participation, video, and electronic sound. Directed by Dr. Andrea Strauss and featuring faculty members Chris Moore and Donny Allen, the Georgia Tech Symphonic Band performed by invitation at the College Band Directors National Association Southern Division in Columbus, Georgia. Music Department Director Dr. Frank Clark gave several presentations including “Performing Sappho in the Twenty-first Century: Creating a New Paradigm while Honoring an Ancient Tradition” at the 2008 Hawaii International Conference on Arts and Humanities in Honolulu.

**Research:** The College of Architecture experienced an increase in contract awards from the previous year’s total to $4.9 million. New contract awards for 2006-2007 were $4.25 million. New and existing contracts represent a sustained level of research among a broad range of research activity by faculty across all academic programs and research centers in the College.

- **Advanced Wood Products Laboratory (AWPL):** The AWPL continues to strengthen its collaborations with COA’s academic programs, other Georgia Tech units, state agencies, industries, and professional organizations. In fulfillment of its academic goals, AWPL was directly involved in 12 academic courses in industrial design and architecture taught by Dr. Russell Gentry, Alan Harp, Kevin Shankwiler, Tristan Al-Haddad, and Lars Spuybroek. The AWPL provided critical support to the Solar Decathlon House project in the form of materials, training, prototyping space, CNC machine time, equipment, and expertise. AWPL’s Continuing Education program delivered 36 workshops with gross revenue of approximately $148,109; and 97% of the 129 trainees engaged in CNC software training. The relationship with SCM GROUP Spa and SCM GROUP USA, Inc. remains strong with the AWPL housing over two million dollars worth of their machines through an Equipment Loan Agreement.

Faculty, staff, and students were highly productive in research, scholarship, outreach, and creativity. They spoke at conferences, workshops, and meetings including the South Virginia Forest Development Conference at Virginia Tech; the AWFS Fair in Las Vegas; the Forest Products Society in Madison, WI; the WITC Laminated Lumber Conference in Reno, NV; and others. They published three refereed papers in conference proceedings, created exhibits, hosted many meetings, and conducted facility tours to approximately 400 guests on an estimated 75 occasions. These visitations represented government, academic institutions, designers, architects, industry manufactures, friends, and special interest groups from high-technology, materials, design, and product sectors. Students exhibited their AWPL-made furniture at the IWF Student Design Competition 2008 (16 entries accepted) and AWFS 2007 Design Competition in Las Vegas, NV (7 entries accepted, 4 winning awards).

- **Center for Assistive Technology and Environmental Access (CATEA):** CATEA continues to be extremely active in research, scholarship, and outreach in the areas of disability and rehabilitation. More than
doubling their last year research funding, CATEA brought in $2.63 million dollars in contracts from sponsors such as the United States Department of Education, Shepherd Spinal Center, Syracuse University, the National Science Foundation, as well as private companies. Its faculty and research scientists published 10 articles, 10 book chapters, and several other external publications; reviewed manuscripts, journal articles, and grant applications; spoke at many conferences, workshops, and classes; provided technical assistance to a variety of constituents; maintained a strong web presence; and served on many external committees. Faculty and staff taught courses in the Applied Physiology, Industrial Design, and Computer Science programs; and a professional education course through the Institute on accessibility. Dr. Sprigle and other staff members continue to advise many graduate students in Industrial Design, Computer Science, Prosthetics and Orthotics, Bioengineering, Psychology, Electrical Computer Engineering, Human Computer Interaction, Digital Media, Public Policy, and Architecture. The Center also employs 11 students in Biomedical Engineering, Materials Science, Industrial Design, and Industrial Systems Engineering.

CATEA filed and posted two patent applications: one for a wound measurement device and the other for an erythema and bruise detector. CATEA-administered websites received 16.5 million hits and 2.25 million visits. The Center launched 2 fee-based webcourses, Manual Wheelchair Prescription and Web Accessibility with revenue of over $10,000. Jon Sanford received the Research Achievement Award from the College of Architecture and was appointed as the new director of CATEA. Stephen Sprigle resigned as director and will teach in Industrial Design and focus on his research. Sprigle was awarded a Centers of Innovation Research Grant from Governor Sonny Purdue’s OneGeorgia Authority program and was named a Fellow of Rehabilitation Engineering and Assistive Technology Society of North America (RESNA).

- **Center for Geographic Information Systems (CGIS):** The Center for Geographic Information Systems continues to develop and apply spatial analysis technologies to an ever-expanding variety of research domains. The Center staff generates high-quality research proposals, which is reflected in the Center’s almost $2 million in active contracts; and helps fulfill the academic mission of the Institute through its teaching of 6 courses and serving as advisors to a number of Masters and PhD students from City and Regional Planning, Architecture, Civil and Environmental Engineering, and Computer Science. The Center has developed relationships with a number of new sponsors, including CNN, Chevron, NASA, and the US Department of Energy. The GIS Center has ongoing research projects and pending proposals with faculty in City and Regional Planning, Civil and Environmental Engineering, Computer Science, Chemical and Bimolecular Engineering, and Mechanical Engineering. Dr. Steve French published an article with CRP faculty member Dr. Bill Drummond entitled “The Future of GIS in Planning: Converging Technologies, Diverging Interests” in the *Journal of the American Planning Association* and co-authored a book *Risk Assessment, Modeling, and Decision Making* (2008). Aiding in the search for alternative energy sources, research scientist Tony Giarrusso is working with chemical engineering on a biofuels project to evaluate potential plant locations in the southeastern US; and Dr. French is Co-PI on a Department of Energy project to assess potential energy production from tidal streams. Nick Faust continues his research on the habitat of the mountain gorillas in the Virunga Mountains with the Dian Fossey Institute, producing a 3D animation that documents the movement of gorilla groups with respect to food, habitat, and the proximity of other groups. Dr. French leads the Social Science Research Thrust for the Mid-America Earthquake Center. The China Planning Network of MIT and Tsinghua University invited Dr. French to a post-earthquake recovery workshop in Beijing in July 2008.

The Center continues to provide GIS software to academic and support units across campus. Dr. Xuan Shi developed a customized GIS application that helps the Georgia Tech Office of Information Technology (OIT) and the Board of Regents staff connect Georgia schools and hospitals to the Peachnet network. Research Scientist Danielle Ayan and Information Analyst Lisa Jackson are engaging the Georgia Tech community to create a state-of-the-art enterprise GIS database for our campus. The staff continues to make presentations at regional and national conferences; and hold leadership positions in national and regional organizations.

- **Center for Quality Growth and Regional Development (CQGRD):** The CQGRD is a resource for information on topics of sustainability, regionalism, and quality growth. CQGRD continues to focus on three
primary goals: developing theory that addresses contemporary and future challenges and incorporates new technologies; transferring new knowledge into practice and implementation; and educating students, community leaders, elected officials, and practitioners on issues of quality growth and regional planning. The staff engages in research, outreach, and education through working with a variety of local, regional, and international groups; speaking at conferences, symposia, and workshops; and teaching in the City and Regional Planning and PhD programs. For the past several years, CQGRD has taken a leading role in both the research and analysis of Megaregions. This research began four years ago and has led to the funding of a project by the United States Department of Transportation about megaregions planning and infrastructure. This two-year project is the first of its kind. In June 2008, the Center organized and hosted an international symposium on Megaregions planning. This past year Director Dr. Catherine Ross spoke at several international events as an invited speaker, served on a number of boards and committees, and, in conjunction with other authors, published two refereed articles.

- **Construction Resource Center (CRC):** The CRC continued its efforts to foster partnerships between the construction industry and the Institute. Faculty associated with the CRC published 7 journal papers, 9 conference proceedings papers, a book chapter, white paper, and encyclopedia entry. They were invited to give 4 papers including one keynote address; reviewed and edited a number of papers and proposals for various publications; and held key leadership positions in construction-related organizations. The CRC developed and marketed the Integrated Facility and Property Management Executive Leadership Continuing Education program. CRC organized the Building Information Modeling (BIM) Symposium for the Associated General Contractors.

- **Interactive Media Architecture in Education (IMAGINE Lab):** This year the IMAGINE Lab focused on the possible real-world applications of real-time, architectural visualization using gaming platforms. While their main thrust remains the development and maintenance of the Georgia Tech Campus Model and local resource development, they have expanded their research agenda to include cultural heritage preservation, health care, and journalism. The staff presented research, authored papers, and expanded their outreach activities, which included hosting over 20 different groups for tours and presentations. Matthew Swarts worked with senior living facilities on the usage of games and game consoles for the aging population. Tolek Lesniewski and Jonathan Shaw taught five classes, advised students, and served on several committees. The Lab supported a total of nine graduate and three undergraduate students in the fall and ten graduate and four undergraduate students in the spring.

- **Architecture Library:** The Architecture Library continues to grow. A substantial number of new books have been purchased with funds from the Preston Stevens Endowment. These funds also were used to purchase eight architecture journals and two electronic databases. A library grant was used to purchase a 28,000 image database called Archvision Digital Research Library. Collection development is an ongoing collaborative effort. The Architecture Librarian Cathy Carpenter attempts to purchase all faculty and graduate student requests. The Library served the academic mission of the College and Institute Course through its very popular course reserve system. This year 41 instructors (24 in Architecture, 7 in CFY, 7 in CP, 2 in BC and 1 in ID) used the Library’s reserves system. Students had online access to 1006 course readings (mainly journal articles) through electronic reserves.

The Library continues to work closely with COA faculty on customized library instruction, including group and individual training sessions for new faculty and doctoral students, as well as students in the Architecture, City Planning, Building Construction, and Industrial Design masters programs. The Architecture Library which has primarily served as a study/research space for students and faculty is now taking on another role as a social gathering place for the COA community. For example, the Library hosts the monthly COA Research Forum with the College, rearranged the library to accommodate a reading lounge, and hosted College and Institute meetings and functions including a luncheon involving Chancellor Erroll B. Davis, Jr.

**Outreach:** The past year marked several notable outreach activities, engaging the College of Architecture with a larger public, locally as well as nationally and internationally.

- Georgia Tech assistant professor of music Dr. Jason Freeman premiered his newest work – Flock – at Miami’s new Carnival Center for the Performing Arts, December 2007. Freeman’s work has been hailed as “addictive and fun” by USA Today.com and “an example of the web’s mind-expanding possibilities” by
• The College of Architecture hosted and led a tour of the mid-century modern buildings on the Georgia Tech campus for board of directors of the DOCOMOMO/US (a national organization committed to the preservation of modern architecture). The event included a small exhibit and walking tour featuring some of the campus buildings designed by former Architecture faculty including Harold Bush Brown and P.M. Heffernan.

• The CATEA won a MERLOT (Multimedia Educational Resource for Learning and Online Teaching) Classics award for their Access eLearning tutorial within their GRADE project web site, in the Faculty Development Discipline category.

• The Neurosciences Critical Care Unit at Emory University Hospital has been selected as the recipient of the prestigious 2008 ICU Design Citation Award. The product of a unique collaboration between Owen Samuels, MD, director of neuroscience critical care at Emory, and Craig Zimring, an environmental psychologist and PhD faculty, the Unit was designed and built around evidence-based design principles.

• Artist in Residence Ruth Dusseault launched Photos of the Beltline.org (www.photosofthebeltline.org), an ongoing Web-based public exhibition designed to describe the fragmented, 22-mile corridor that will become Atlanta’s Beltline. Dusseault issued an invitation to all college-level photography instructors and students in Atlanta to participate in Photos of the Beltline.org by reserving a pre-set section of the Beltline to photograph for a class assignment to document over time.

• Danièle Ayan, a research scientist in the GIS center, is leading the effort to develop a strategic plan for GIS in Georgia. Funded by the U.S. Geological Survey and Federal Geographic Data Committee, the project is part of the Fifty States Initiative designed to coordinate GIS activities on a statewide basis to eliminate waste and improve efficiency in government.

Summary: Contributions of the College to the Institute: The accomplishments of the College in turn represent contributions to the Institute as well. These can be seen in the following areas, among others:

• Four faculty members from the College of Architecture led an interdisciplinary team—that included over 100 students, faculty, and staff representing all six colleges—in the design and construction of the Georgia Tech Solar Decathlon House. This project resulted in a zero-energy house that placed sixth in the Department of Energy’s International Solar Decathlon House competition held on the Mall in Washington, D.C. in October 2007 and won the BP Award for Innovation. The students and faculty returned the house to campus where it has drawn over 2000 visitors, including students, alumni, legislators, business people, and international guests. One of the most distinguished visits came from Chancellor Erroll B. Davis Jr. and President G. Wayne Clough, who with 10 guests, followed their tour with a luncheon in the Architecture Library.

• The College's international programs in Paris, France; Summer Study Abroad Programs in Holland-Paris-Berlin; and in Greece and Italy continued to be strengthened. In AY 2007-08, 111 students from the College of Architecture participated in a study abroad experience. Among degree recipients, about half of the College’s undergraduate students participated in a study abroad program while enrolled at Georgia Tech. The Architecture Program has 35 students pursing the International Plan degree designation and the Industrial Design Program has just had their International Plan curriculum approved by the Institute.

• After a reassessment of the College’s annual Career Discovery Program in Architecture, the College forged a new partnership with CEISMC—Georgia Tech’s center that specializes in summer enrichment programs for youth. This year, 39 high school students participated in the revised program, which added more structure, eliminated one week, and lessened the administrative burden on the College.

• Jointly hosted by the Colleges of Architecture and Management and featured in the Architecture Program Lecture Series and College of Management IMPACT Lecture Series, alumnus Niles Bolton (Arch ’70) gave a guest lecture in the LeCraw Auditorium. Titled My Hobby; My Passion: Architecture is a Business, his talk focused on his distinguished career and business strategy of combining good management and design that he credits with his firm’s success.

• The Georgia Tech Glee Club performed in the Isaac Stern Auditorium of world-famous Carnegie Hall on April 15, 2008 to an enthusiastic audience, which included President G. Wayne Clough. The Glee Club also performed at the Scotland Choral Festival in May.