Annual Report

Executive Summary

2005-2006

College of Architecture

Georgia Institute of Technology

Prepared by

Dr. Thomas D. Galloway, Dean
and
Professor Douglas C. Allen, Associate Dean
EXECUTIVE SUMMARY
2005-2006 ANNUAL REPORT OF THE COLLEGE OF ARCHITECTURE
GEORGIA INSTITUTE OF TECHNOLOGY

Distilled from the College’s Annual Report, this summary highlights the College’s accomplishments of the past year: changes in student enrollment; college and program review/national rankings; international program activities; professional education; alumni cultivation and developmental advances; and information technology resources. 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 IMAGINE Lab); progress made in our outreach initiatives; and progress in institutional planning.

College-wide accomplishments include the following:

- The College appointed Professor Lars Spuijbroek as the Thomas W. Ventulett, III Distinguished Chair in Architectural Design. Professor Spuijbroek comes to Georgia Tech from the University of Kassel and Columbia University. He will continue to pursue design research and pedagogy in digital design and manufacturing in Architecture. In 2005-2006, Professor Nader Tehrani continued the work begun by Professor Monica Ponce de Leon the previous year, with design studios exploring digital manufacturing in conjunction with the Advanced Wood Products Laboratory. The studio conducted research on the transformation of flat polycarbonate sheets into a three-dimensional structure that has been constructed on the south front of the West Architecture building and was featured recently in the September 28, 2006 edition of the New York Times. Professor Tehrani, is the professional partner of Professor Ponce de Leon in the award winning firm of Office dA, Boston.

- The College appointed Dr. Daniel Castro, (PhD, Purdue University) as Assistant Professor of Building Construction. Prior to his appointment in the Building Construction Program, Dr. Castro served as an Assistant Professor at Ohio University. Dr. Franca Trubiano (PhD, University of Pennsylvania) was appointed Assistant Professor of Architecture. Gernot Riether (Dipl. Arch., University of Innsbruck and M.S., Columbia University) has been appointed Assistant Professor of Architecture. Professor Riether comes to the College from the New York Institute of Technology where he served as an Assistant Professor. Claudia Winegarden (PhD, North Carolina State University) has been appointed Visiting Assistant Professor in the Industrial Design Program. Tristan Al-Hadaad (M.Arch, Georgia Tech) has also been appointed as a Visiting Assistant Professor of Architecture.

- Richard Sammons, architect in New York and principal in Fairfax + Sammons, Architects, served as the Harrison Visiting Professor in Fall 2005.

- The College Appointed Dr. Leslie Sharp as Director of Special Projects. Dr. Sharp will focus on the dissemination of research and scholarship conducted within the College through seminars, symposia, conferences, and publications.

- The College appointed Mercer B. “Tripp” Edwards as Director of Shop operations.

- Dr. Libero Andreotti, Director of the College’s Paris Program was promoted to Professor.

- Kevin Reeder, Assistant Professor of Industrial Design, was promoted to Associate Professor with tenure.
• Dr. Larry Keating, Professor of City and Regional Planning, retired after 33 years of teaching, research, and community outreach.

• Dr. Rita Oberle, Associate Professor in the Building Construction Program, retired in January 2006.

• In April, the College hosted the Annual Dean’s Symposium on the Changing Nature of Practice. The symposium was titled “Strategies for Urban Regeneration: The Atlanta Belt-Line” and brought together public officials, City Council members, representatives from the development community, representatives from neighborhood and special interest groups, and Georgia Tech faculty in a structured public discussion aimed at developing a better understanding across all constituencies of the complex issues surrounding the proposed Belt-Line initiative. The symposium concluded with a panel discussion led by Mark Johnson, a Landscape Architect and Urban Designer from Denver, Colorado whose work includes similar complex redevelopment projects in Denver, Los Angeles, and other major metropolitan areas around the country. Members of the panel included Ryan Gravel, who originated the idea of the BeltLine through his Master’s thesis at Georgia Tech’s College of Architecture; Tina Arbes of the Atlanta Development Authority; Mtamanika Youngblood of the Atlanta BeltLine Partnership; and the Honorable Mary Norwood, member of the Atlanta City Council.

• The Center for Quality Growth and Regional Development in partnership with the City and Regional Planning Program held the first “Think Global, Act Regional” MegaRegions Symposium. The symposium is the beginning of a Southeastern Dialogue on Regionalism with a Global Perspective. The symposium was well attended by elected officials and representatives from Alabama, Florida, Georgia, South Carolina, and Tennessee. The attendees included federal and state legislators, mayors, public and private-sector representatives, including United States Senator, Johnny Isakson, along with academics and other community leaders from the Southern region.

• The College maintained its strong record of externally funded research through its instructional programs and research centers. This past year, new contract awards amounted to 7.35 million dollars, slightly down from 8.66 million dollars the previous year. The College has sustained a high level of research among its peers with an average of 8.33 million dollars in new contract awards per year over the past three years.

• 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 2005-2006, 117 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, 68.89% of the College’s undergraduate students participated in a study abroad program while enrolled at Georgia Tech.

**Enrollment and Degrees Awarded:** Enrollment in the College remained at its historically high level in the Fall of 2005 with 1088 students enrolled, only one student less than its all time high of 1089 the previous year. In the College as a whole, undergraduate enrollment increased slightly to 748 students and graduate enrollment decreased from 352 students to 340 students. Student enrollment in the Common First Year decreased to 196 from an all time high of 280 the previous year. Despite level enrollment when compared to the previous year, student enrollment in the College has increased by 26.6% over the past five years. This substantial and continuous growth in enrollment continues to place the physical facilities of the College at maximum capacity. In the past year, the College awarded 137 Baccalaureate degrees, 105 Master’s degrees, and four Ph.D. degrees.

**Diversity:** The College continues to place increased diversity of its faculty as a high priority. The full-time academic faculty is now composed of 4.0% African-American professors and 26% women. Although the College compares well nationally with these percentages, the need to continue efforts to increase the diversity of its faculty and staff in future appointments continues. Minority student enrollment increased substantially to
6.4%. The percentage of African-American graduate students increased from 7.9% to 9.1%. Ethnic minorities now account for 33.2% of the total student population within the College of Architecture, up from 26.8% in Fall 2004. While total graduate enrollment decreased slightly from 352 students to 340 students, the percentage of female graduate students increased slightly to 44.4%. Following a goal set in 2004-2005, the College’s Diversity Committee was re-energized. The Committee prepared a strategic plan for increasing the diversity within the College with emphasis on increasing participation in the FOCUS Program. Results of these efforts were positive with twelve potential applicants to the College participating in FOCUS in 2006. The goal for 2006-2007 is to double participation in the FOCUS recruitment program.

The accomplishments of the individual programs of the College over the past year were several:

- **Architecture:** This year, the Architecture Program enrollment remained stable at the graduate level with continuing increases in undergraduate enrollment. In the fall of 2005, 403 undergraduate Architecture majors were enrolled, a slight increase of 1.2% over the year before. The past five years has seen a steady rate of growth in the undergraduate program from 268 in 2001. This represents a 50% increase over this time period. Graduate enrollment has been steady over the same period with 113 Master of Architecture students enrolled in the fall of 2005.

The Architecture Program faculty maintained an exceptionally high level of scholarly activity, collectively producing one book, five book chapters, seven articles in refereed archival journals, twelve refereed conference proceedings, and thirteen conference presentations without proceedings. Seven faculty gave keynote or invited lectures and were cited in fourteen books and national journals. Program Director Ellen Dunham-Jones guest-edited an issue of *Places* magazine on “Retrofitting Suburbia”. This brought significant national attention to the Architecture Program at Georgia Tech and resulted in seven invited lectures at venues across the nation on this topic. Professor Dunham-Jones was awarded a partial guest professorship at the University of Lund, Sweden for 2006-2007. Dr. Robert Craig was awarded the Southeast Society of Architectural Historians’ 2005 Book Award for *Bernard Maybeck at Principia College: The Art and Craft of Building*. Dr. Craig was also awarded the Service Award. Associate Professor George Johnston was awarded the *Journal of Architectural Education* Best Article Award from the Association of Collegiate Schools of Architecture for “Drafting Manuals and Manual Training: Rouillon and Ramsey’s Architectural Details.” Assistant Professor Franca Trubiano was awarded the 2005 Best Paper Award from the Architectural Research Centers Consortium for “Material Matters: Seeking Collaboration between the Building Industry and Innovative Architectural Practices.” Assistant Professor Michael Gamble’s firm G+G Architects won a Georgia AIA award of Merit for the Fields/Badoud Art Studio in Kirkwood, Georgia.

As either PI or Co-PI, four faculty members in the Architecture Program secured external funding totaling $667,751.00 distributed across ten projects. Of particular interest, Professors Choudhary, Jarrett, and Trubiano were selected to lead a team in the Solar Decathlon. The research, funded primarily by the U.S. Department of Energy, includes interdisciplinary collaboration with students and faculty in the Colleges of Engineering, Science, and Management. And will result in the construction of a zero-energy house to be located on the Mall in Washington, D.C. in the fall of 2007. Professor Richard Dagenhart led a four-student team in an international competition to develop a plan for the historic quarter of Dubai. Schools were invited from Italy, Austria, China, Australia, and Syria, as well as from the United States. The Georgia Tech team won first place in the competition. Senior Lecturer David Green and his students continued work on the Atlanta Belt Line. The work of the students was recognized by Mayor Shirley Franklin. The City of Atlanta plans to incorporate the street grids and public rights-of-way established by the students for approximately 5,000 acres along the proposed Belt Line into its comprehensive development plan. Six Paris Program students received installation credits for their work with Architect Thom Mayne of Morphosis in his major exhibition at the Pompidou Museum in Paris, France.
• **Building Construction:** Enrollment in the Building Construction Program continued to increase. Undergraduate enrollment increased from 164 to 189, an increase of 15.3% over the year before. At the graduate level, the M.S. BC Program increased slightly from 63 students to 68 in the fall of 2005. Altogether, this represents a doubling of enrollment in the last five years. The Bachelor of Science in Building Construction program was re-accredited by the American Council of Construction Education (ACCE). Faculty members in the Building Construction Program were active in research and scholarship, publishing six technical reports. Assistant Professor Linda Thomas was invited to the University of Salford, Manchester, UK to give a lecture on Humid Climates and Energy Conservation. Assistant Professor Kathy Roper delivered three invited keynote presentations to IDEX – Neocon in Toronto, Canada; to the Korean Facility Management Association’s 11th Annual Symposium, “The Future of Facility Management and FM Education” Seoul, Korea; and an address titled “Facility Management Futures,” at the Facility Management Association of Australia’s Ideaction 2005 – 4D Thinking Conference in Melbourne, Australia. Professor Roper also delivered a number of invited lectures at national and international venues, including the International Facility Management Association (IFMA) on “Facility Management 2010 and Beyond” in Cincinnati, Ohio and at Yonsei University, South Korea she spoke on “Sustainability Issues for Facility Management.” In addition, she delivered a lecture on “Facility Management Global Trends” at Seoul National University.

Building Construction faculty and students were also recognized for their achievements with several awards. Professor Roper was awarded the Educator Award of Excellence for 2005 by the International Facility Management Association for recognition of excellence in developing curriculum and instructing students in facility management. She also received the 2006 International Facility Management Association Educator’s Award at the Euro FM Facility Management conference in Frankfurt Germany. Building Construction students were also active, winning First Place at the ASC/Associated General Contractors Region II Student Competition and Third Place at the Associated Builders and Contractors Construction Management Competition. Jun Ha Kim, Ph.D. student in Building Construction, received the 2005 International Facility Management Association Annual Award at the World Workplace Conference in Philadelphia.

• **City and Regional Planning:** In Fall 2005, the City and Regional Planning Program enrolled 73 students in the master’s degree program and 14 students in the City and Regional Planning doctoral studies field. This resulted in a total of 87 graduate students in City and Regional Planning; down slightly form the previous year. The students are both diverse and of extremely high quality (as measured by quantitative measures such as GPA and GRE scores). Overall, minority student enrollment decreased slightly from the previous year. Overall, students of color represent 19% of our current U.S. student body (14 of 73 U.S. students). The percentage of African-American students increased slightly from 7% to 8.2% with all other percentages remaining relatively constant from previous years. The proportion of women decreased slightly from 50% to 44%. The City and Regional Planning Program awarded 34 MCRP degrees in 2005-2006. This year, the City and Regional Planning Program completed a reaccreditation review through the Planning Accreditation Board and was granted a seven-year renewal of accreditation with no conditions or requirements for reports. The visiting team from the Planning Accreditation Board found that the Program fully met all aspects of the 11 accreditation criteria.

The faculty maintained an exceptionally high level of funded research, publications, and community outreach efforts. In total, 11 faculty members published 15 refereed journal articles, 12 professional reports, and 2 chapters in an edited book. Faculty members also have six articles in review at various journals and over a dozen more in various stages of preparation. Faculty members made presentations at dozens of national conferences and international conferences, including several plenary or keynote presentations. Faculty members are currently working on 18 different funded research projects, including 4 ongoing or renewed projects and 11 new research projects over the past year. These translate into a total of $252,260 in new contracts and just over $200,000 in ongoing research projects. Faculty members submitted five
additional proposals for funding; two of these proposals were for $1.5 and $2.4 million, respectively, and were designed to respond to the program’s strategic plan goal for larger and more sustained research funding.

Dr. David Sawicki continues his third year as editor of the *Journal of the American Planning Association*. This is recognized as the most distinguished journal in the field. In addition, four of the Program's faculty members currently serve on the editorial boards of key planning journals. Faculty members were also manuscript reviewers for 11 peer-reviewed academic and professional journals. A final indicator of the overall state of the program is the large number of national, regional, and Institute awards received by faculty in the Program this year. Dr. Jiawen Yang received the Jarvis Emerson Award of the Regional Science Association. Another faculty member was appointed as a Sloan Industry Center affiliate. Drs. Larry Keating and Steven French were inducted into the Fellows of the American Institute of Certified Planners. Our faculty received the Golden Shoe award from PEDS for forming the Healthy Places Research Group along with Emory University’s Rollins School of Public Health. Dr. Bill Drummond received the Hesburgh Teaching fellowship. Dr. Cheryl Contant, Director of the Program, received the prestigious American Council of Education (ACE) Fellowship in higher education leadership for AY 2006-2007. Students also earned local recognition for their studio work and were chosen to participate in the Georgia Innovation Internship program through the Economic Development Institute, and participated in international conferences in Missouri and Hawaii.

- **Industrial Design:** Enrollment in the Industrial Design Program remained stable overall. At the undergraduate level, enrollment decreased from 175 to 156, and at the graduate level from 18 to 14. The Program awarded 40 baccalaureate degrees and four Master of Industrial Design degrees. Professor Abir Mullick joined the Faculty as Director of the Industrial Design Program. Professor Mullick came to the College of Architecture from the State University of New York at Buffalo where he taught in the Department of Architecture. Professor Mullick holds advanced degrees in both Industrial Design and City and Regional Planning and is well known for his research in Universal Design. In its first ever rankings of Industrial Design Programs, *Design Intelligence* ranked Georgia Tech’s Master of Industrial Design Program in the top ten, nationally. The Industrial Design Program played a vital role in planning and hosting the 2006 Southern District IDSA Conference in Atlanta. Both students and faculty were highly involved in organizing and managing the conference.

Faculty in Industrial Design published six articles in refereed archival journals, seven refereed conference proceedings, and delivered twenty conference papers without proceedings. Funded research increased this year to $234,182 in new contract awards. Abir Mullick was appointed a member of the Standards and Research Review Board, National Center for the Dissemination of Disability Research, National Institute on Disability and Rehabilitation Research (NIDRR), U.S. Department of Education. On behalf of NIDRR, the task force will conduct a methodical review of research guidelines and develop consensus/position statements regarding systematic reviews and evidence-based guidelines. Master of Industrial Design student Arthur Wu won the 2006 IDSA Merit Award and Clint Cope and Walter Hargrove, also MID students were awarded first prize by the Atlanta Chapter of Human-Computer Interaction for a design project that deals with patient care information.

- **Ph.D. Program:** As of Fall 2005, the Ph.D. Program in the College of Architecture had 72 active Ph.D. students. In 2005-2006, the Program graduated eight students, bringing the total number of Ph.D. degrees awarded by the College to 81. The total number of applications was 70, a slight decrease from 75 the previous year. The trends show a fall in US applicants and growth in applicants from Korea and China and a broader distribution of applicants from all areas. In general, the foreign applicants are widely diverse, except for the strong draw of Korean students. The rise in applicants from China reversed a downward trend of the previous three years. Thirteen of the applicants were from the United States. The Program has accepted 26 of the 70 applicants with expected enrollment to be 12 additional students. The overall quality of students and the acceptance rate of those admitted continued to grow.
Program faculty continued their strong record of scholarship with the publication of four books, four book chapters, 24 refereed journal articles and 37 papers in published proceedings. In addition, faculty served as guest editors of two refereed journals, six external student fellowships, and received six outstanding paper awards. This year, students in the Program published twelve refereed papers and delivered 44 conference presentations with proceedings. For the 2005-2006 academic year, funded research by the Ph.D. faculty was $861,547. This compares to $1,649,481 the previous year. Several large contracts are now being negotiated, and the sustained level of new contracts should increase for the next academic year cycle. Funding sources are widely distributed, although the major area is healthcare, with $209,614 from NIH, and $386,223 from the Robert Wood Johnson Foundation. Finally, the Ph.D. Program hosted two conferences. Dr. Craig Zimring was the lead in organizing a Conference on Health Facilities Planning, co-hosted by NIH that attracted 60 participants. Professor Chuck Eastman hosted two meetings of a Reinforced Concrete BIM Consortium, in April and June, 2006.

- **Department of Music:** The Department of Music increased its course offerings with one additional course at the undergraduate level and five new graduate level courses in Music Technology. One of these courses is an interdisciplinary effort with the School of Language Communication and Culture. This adds to the ten new courses developed last year in anticipation of a new degree offering, Master of Science in Music Technology. In Academic year 2005-2006, over 2,300 students representing every college at Georgia Tech enrolled in courses offered by the Department of Music. The Music faculty was increasingly active in publishing and scholarly activities. Collectively, the faculty gave thirteen peer-reviewed performances at national or international venues, published two peer-reviewed papers and eight peer-reviewed articles. In addition, the faculty delivered nine conference presentations with proceedings, two invited lectures, and received commissions for six new composition arrangements and scores. Of particular note, Assistant Professors Gil Weinberg and Jason Freeman performed their original compositions featuring Haile, the Robotic Drummer, at the Hamaabada Arts Center in Jerusalem. The Men’s Glee Club gave 53 performances, highlighted by an invited performance in Honolulu at the Hawaii International Conference for Arts and Humanities and a performance closer to home at Spivey Hall. The Chamber Wind Ensemble was invited to perform at the Shanghai International Arts festival and included a stop in Beijing for a performance at the Sino-Canadian College. The Symphonic Band was invited to perform at the Georgia Music Educators Association Conference in Savannah.

- **Research:** The College of Architecture experienced a slight decrease in contract awards from the previous year’s total of $8.66 million. New contract awards for 2005-2006 decreased to $7.35 million. While this is the second year of decrease in new contract awards, it also represents a sustained average of over eight million per year for three years. The 56 new contracts represent a sustained level of research among a broader range of research activity by faculty across all academic programs and research centers in the College.

- **Advanced Wood Products Laboratory (AWPL):** Most significant among the activities of the AWPL in 2005-2006 was the continued expansion of the academic mission of the College with the research, training, and application mission of the AWPL. In both fall and spring semesters, the Advanced Wood Products Laboratory supported Design and Digital Manufacturing courses (Arch 4832 / 8832) associated with the Thomas W. Ventulett, III Distinguished Chair in Architectural Design. Led by Ventulett professor Nader Tehrani, five team projects were developed by 18 students using CNC machine centers at AWPL. One project, constructed on the lawn in front of the West Architecture Building, was featured in the *New York Times*. Associate Professor and Co-Director of the AWPL, Dr. Russell Gentry, introduced a new course in Industrial Design concerned with applied research in materials and products from small diameter pines. Additional Industrial Design courses during 2005-2006 included two courses, one in furniture design and manufacturing and another course in collaboration with the Department of Music in musical instrument digital design and CNC manufacturing. The products of the classes were exhibited at the American Woodworking and Furnishing Suppliers Design Competition in Las Vegas, Nevada. Four student projects
reached competition level of 11 entries with one project receiving AWFS Honorable Mention and a cash prize. The AWPL Continuing and Professional Education Program conducted 50 workshops with 202 industry trainees in 2005-2006. This represents an increase in participation of 7% from the previous year. Revenue generated from these workshops amounted to $160,000. New training workshops were introduced for Planit Systems of Grand Rapids, Michigan and Charlotte, North Carolina. Finally, the Equipment Loan Agreement between Georgia Tech and SCM GROUP, Spa and SCM GROUP USA, Inc. was renewed through August 20, 2007. SCM GROUP machine centers at Georgia Tech are now valued at $1,750,000.00.

- **Center for Assistive Technology and Environmental Access (CATEA):** CATEA remains a very active organization that maintains a position of international and national leadership in the areas of disability and rehabilitation research. In 2005-2006, CATEA completed its transitional period following the loss of State support and its transition to an A-budget research center within the College of Architecture. Significant planning and substantial changes were necessary to re-focus staff and to establish an operational infrastructure that is more intertwined with the respective units of the College. As a result of this transition, CATEA is a smaller center with a narrower scope of scholarly activities. In the past academic year, CATEA faculty and research personnel taught seven courses in both the College of Architecture and in the School of Applied Physiology in the College of Sciences. In addition, CATEA developed and delivered two Distance Learning Professional Education Certificate Program courses in accessible web design and in web usability. CATEA faculty and research personnel also published three articles in archival refereed journals, published one book chapter, and delivered 22 conference papers. Despite the planned reduction in size and in funding, CATEA produced 16 new research contracts in 2005-2006 totaling $4,901,000. Although this total is less than three years ago, the value per FTE faculty was the highest ever.

- **Construction Resource Center (CRC):** The CRC continued its efforts to forge partnerships between industry and the university community to exchange intellectual capital while generating benefits for society that respond to the delivery of sustainable, cost-effective facilities and infrastructure. Faculty associated with the Construction Resource Center published two refereed journal papers, one non-refereed journal article, delivered six conference papers with proceedings, and two conference presentations without proceedings, including “Property Management Trends to Watch” for the Building Owners and Managers Association (BOMA) Regional Symposium. The Construction Resource Center continued its collaboration with the Tennenbaum Institute. Doctoral student Jun Ha Kim was awarded the Tennenbaum 2006 Fellowship for his interdisciplinary activities. Also, Doctoral student Jose Solis received the Research and Innovation Award for his paper on the “Most innovative idea in the built and human environment” at the Fifth International Post-graduate Research Conference in the Built and Human Environment, Salford, UK. The CRC was also active in outreach activities in 2005-2006. The CRC developed and presented a two-day continuing education course, Certified Facility Manager (CFM) Review, for Atlanta chapter of International Facility Management Association. Finally, the CRC extended its relationship with the General Services Administration (GSA) continued research on indoor air quality and building security systems.

- **Center for Geographic Information Systems (GIS):** The Center for Geographic Information Systems remains strong and productive. As shown in the most recent contract awards report from the Office of Sponsored Programs, the Center initiated $1,031,905.00 in new research contracts in FY 2006. The total value of the GIS Center’s active contracts for the past fiscal year was $2.1 million. This is the direct result of the hard work and excellent reputation of the GIS Center staff members. Most of the Research Scientists in the Center are now Principal Investigators of more than one sponsored research project. This bodes well for the continued growth and development of the GIS Center. Several staff members and students were recognized with awards and election to leadership positions. Dr. Steven French, Director of the GIS Center, was inducted into the College of Fellows of the American Institute of Certified Planners. His induction was based on his pioneering work in integrating GIS and computing
methods into the planning profession over the past 25 years. Research Scientist Danielle Ayan was elected Vice-President of Georgia Urban and Regional Information Systems Association (URISA), and Research Associate Subrahmanyam Muthkumar was elected Treasurer. Graduate Research Assistant Erica Betts received the only FEMA Hazard Mitigation Fellowship awarded in the nation this past year. GIS Center staff members offered six courses during the 2005-2006 academic year. These courses served students from City and Regional Planning, Building Construction, Architecture, Civil and Environmental Engineering, Earth and Atmospheric Sciences, International Affairs and Public Policy.

• **The Center for Quality Growth and Regional Development (CQGRD):** In its third full year of operation, The Center for Quality Growth and Regional Development has established itself as a leader among entities primarily concerned with quality growth issues locally, regionally, and internationally. The CQGRD continues to provide information to community leaders, elected officials, professionals, and others dedicated to the task of improving the quality of life of our citizens. The Center staff has developed substantial materials and offered numerous workshops and other programmatic elements in order to equip the community with the tools necessary to plan smart for emerging trends affecting the quality of the environment from the neighborhood to the international community. The Center is at the forefront of the discussions and research on the emerging MegaRegions. CQGRD is expanding its sphere of influence as evidenced by an increase from 15,000 hits a month on its website to over 60,000 a month. Director Dr. Catherine L. Ross has been appointed to serve a three-year term with the Strategic Highway Research Program of the National Academy of Sciences. Dr. Ross has also been nominated to stand for election to be a Fellow of the National Academy of Public Administration. The Center for Quality Growth and Regional Development in partnership with the City and Regional Planning Program held the first “Think Global, Act Regional” MegaRegions Symposium. The symposium is the beginning of a Southeastern “Dialogue on Regionalism with a Global Perspective”. The symposium was well attended by elected officials and representatives from Alabama, Florida, Georgia, South Carolina, and Tennessee. The attendees included federal and state legislators, mayors, public and private-sector representatives, academics and other community leaders. The Center for Quality Growth and Regional Development has received a grant from The Ford Foundation and the Institute of International Education, Inc. (IIE) to fund a book entitled *American Spatial Planning,* a compilation of essays written by 17-20 nationally-recognized scholars from around the United States and will be the counterpart to *European Spatial Planning* edited by Andreas Faludi, the foremost scholar on spatial planning policy in Europe.

• **Interactive Media Architecture in Education (IMAGINE):** The IMAGINE Group was very active in five new projects this year. The group continued its work with The Georgia Aquarium design team to create a new interactive Aquarium Visitors Map. The goal of producing visualizations in real time of proposed capital projects moved forward with the continuation of the Three-Dimensional Computer Model of Georgia Tech Campus Extensions. Early experiments with real time visualizations built on Gaming Engines showed much promise. Other projects include the development of visualization of a new building for the Coca Cola Company and work on the Peachtree Corridor. Research Scientist Jonathan Shaw published a technical paper for the SAE (Society of Automotive Engineers) that was selected by a panel of engineering experts to be among the most outstanding technical papers of 2005. Jonathan Shaw also served as a reviewer for *Artificial Intelligence for Engineering Design, Analysis and Manufacturing.* Another paper, co-authored with Professor Dr. Athanassios Economou, "Opus Palladio" was published in the *International Journal of Architectural Computing.* Finally, the IMAGINE Group expanded its academic offerings to five courses in 2005-2006 with two new courses, an Advanced Online Visualization course and a Three–Dimensional Modeling course. In the summer of 2006, the Imagine Group offered a two week course at the University of the Aegean in Mytilini, Greece

• **Architecture Library:** The Architecture Library collection has grown to nearly 45,892 volumes. Approximately 900 new books were added this year with the majority purchased with funds from the Preston Stevens Endowment. The Library served the academic mission of the College and Institute with a
heavily used course reserve system. A total of 47 instructors (19 in Architecture, 10 in the Common First Year, 12 in City and Regional Planning, 4 in the Doctoral Program, 1 in Building Construction, and 1 in Industrial Design) used the Library’s reserves system this year. Students had online access to 1011 course readings (mainly journal articles) through electronic reserves. Architecture Librarian, Kathy Brackney, continues to be very active in the Association of Architecture School Librarians. She currently serves as the AASL Archivist, and is a member of the Statistics Clearinghouse Committee which collects and disseminates statistics of North American architecture libraries for benchmarking purposes. From 1999-2005, she was Co-Chair with Janine Henri, Architecture Librarian at the University of Texas-Austin, of the AASL Task Force on National Architectural Accrediting Board (NAAB) Standards for Libraries. The Task Force proposed a revision to the NAAB’s standard on “Information Resources” and the “Guidelines for Writing an Information Resources Self-Assessment.” These revisions were approved by the NAAB and incorporated into the current Conditions for Accreditation for Professional Degree Programs in Architecture. Kathy Brackney and Janine Henri co-authored a column, "Revising NAAB Condition 8: Information Resources,” which appeared in the November, 2005 issue of ACSA News.

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. In Atlanta, Architecture faculty member David Green conducted studios focused on the Atlanta BeltLine. Working with public officials and neighborhood groups, Professor Green’s students developed street rights-of-way plans for all the BeltLine neighborhoods. These will form the basis of the street plan for future development along the BeltLine as the City of Atlanta plans to incorporate the work of Professor Green and his students into its Comprehensive Development Plan. In collaboration with the High Museum, the College of Architecture developed “Celebrate Architecture Day” with an installation of Master of Architecture student, Tristan Al-Haddad’s “Space Index,” an interactive sculpture in the museum atrium. Professor Emeritus Randal Roark, working with the Urban Land Institute, developed an elective student workshop analyzing best practices in new public spaces in metro Atlanta. Also in collaboration with the Urban Land Institute, Professor Ellen Dunham-Jones, Director of the Architecture Program, developed an “Urban Plan” program for high school students. Held at Benjamin Mays High School in Atlanta, the program drew participants from several Atlanta Public High Schools. Assistant Professor Jason Freeman coordinated the development of the “DorkBot Group”. Housed in the Department of Music, this network of musicians and artists from 45 cities across the globe come together in a virtual space of artistic collaboration. Students in the College’s Paris Program volunteered with the Centre Pompidou in Paris to assist with the installation of work from the office of Morphosis, a Los Angeles based architectural practice. City and Regional Planning professor Dr. Michael Elliott conducted training sessions with Israeli and Palestinian environmental specialists on co-mediation and dispute management. The City Planning Program provided an AICP Exam Review course to almost 30 professionals from Georgia and the southeast. Finally, The College’s annual Career Discovery Program attracted thirty-four pre-college students.

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:

• A four student team won first place in an international design competition to develop a plan for the redevelopment and revitalization of the historic core of Dubai in the United Arab Emirates. Georgia Tech competed against teams from China, Australia, Italy, and Syria.

• A team of three faculty members from the College of Architecture led an interdisciplinary team from Georgia Tech in the development of a successful proposal for the Solar Decathlon. This competition will result in the design and construction of a zero-energy house to be constructed and exhibited on the Mall in Washington, D.C.
• The College maintained a strong record of externally funded research through its instructional programs and research centers. This past year, external funding reached 7.35 million dollars in new contracts. Over the past three years, the College of Architecture has averaged 8.33 million dollars in new contract awards, placing the College among the nation’s leading Schools of Architecture in funded research.

• 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 2005-06, 117 students from the College of Architecture participated in a study abroad experience. Among degree recipients, 68.89% of the College’s undergraduate students participated in a study abroad program while enrolled at Georgia Tech.