Georgia Institute of Technology

**Office of the Provost and**
**Executive Vice President for Academic Affairs**
**ANNUAL REPORT OF INSTITUTIONAL PROGRESS**
**2006-2007**

## Office of the Provost Reporting Units [*included/separate from this Report*]

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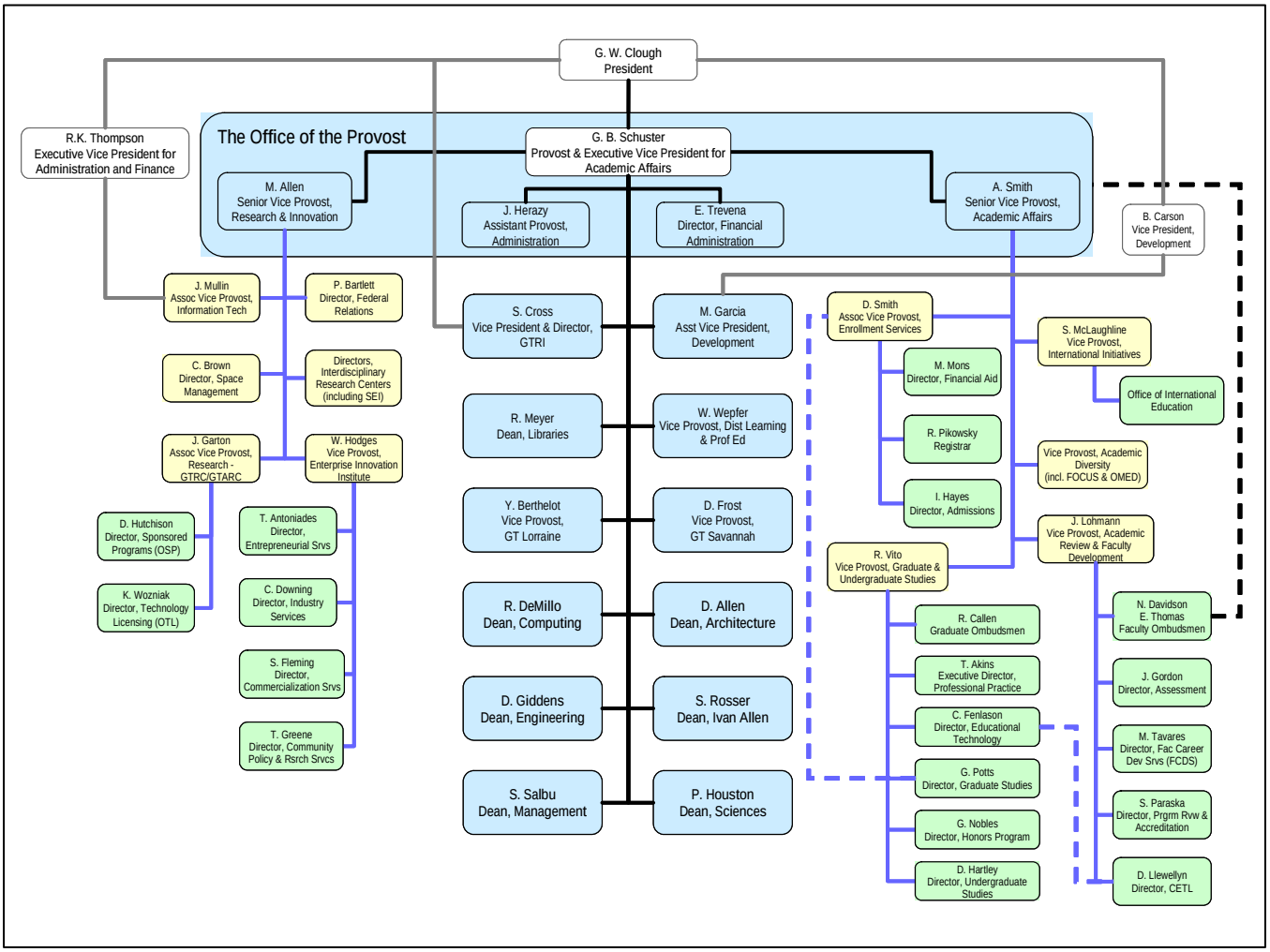
## Office of the Provost Overview

The last year in the Office of the Provost has been one of transition and infrastructure growth. Gary Schuster, who has served as dean of the College of Sciences since 1994, was appointed provost and vice president for Academic Affairs effective September 15, 2006. He succeeded Jean-Lou Chameau, who stepped down to assume the presidency at the California Institute of Technology. Seven months into his tenure as the Institute provost, Dr. Schuster announced changes to the organizational structure that has provided a tighter leadership structure while planning for future growth in Georgia Tech's size and complexity. The new structure encourages swifter action by distributing decision-making into the organization, giving greater latitude to other administrators within the structure and allows the provost to concentrate his energy on advancing the Institute's core academic functions. *(See chart next page*).

Summary of Accomplishments and Activities in 2006-2007

- During the past year, the following senior administrators have been appointed:
  - dean of Sciences – Dr. Paul Houston; effective July 1, 2007
  - senior vice provost for Research and Innovation – Dr. Mark Allen (Professor, Electrical and Computer Engineering); effective September 1, 2007

- vice provost for Graduate and Undergraduate Studies – Dr. Ray Vito (Professor, Mechanical Engineering); effective October 1, 2007
- vice provost for International Initiatives – Dr. Steven McLaughlin (Professor, Electrical and Computer Engineering); effective October 15, 2007




- The following senior administrator searches are in progress:
  - dean of Architecture to succeed Dr. Tom Galloway, who passed away suddenly this past Spring
  - vice provost for Academic Diversity – a new position created to further and strengthen the diversity of our faculty and student bodies.
- Two faculty-led taskforces were established and charged to tackle two strategic initiatives important to enhancing Georgia Tech's reputation in education and research: state of undergraduate curricula and interdisciplinarity.

  - Defining Undergraduate Technological Education for the 21st Century Taskforce – Charged with developing an implementation plan for undergraduate curriculum reform at Georgia Tech.
  - Defining and Supporting Interdisciplinarity – Charged with developing an institutional vision, mission, and strategy for interdisciplinary programs at Georgia Tech.
  - The groups will be conducting in-depth review and discussion of these issues to develop an action plan for fulfilling GT's vision.
  - During an off-site Forum held this past October, the faculty groups met with campus leaders to vet preliminary ideas and discuss desired outcomes.
  - Final recommendations are expected next spring and implementation beginning for the fall semester 2008.
- International activities in various locations were explored and considered during the past year including the development of an overall global vision and strategy.
- The following and complementary reporting units summaries outline further activities and accomplishments of the Office of the Provost.

**Academic Affairs**

As part of the leadership reorganization, the vice provost for Undergraduate Studies and Academic Affairs became the senior vice provost for academic affairs with five direct reports; previously there had be 13: Four vice provosts (Graduate and Undergraduate Studies, International Initiatives, Faculty and Academic Development, and Academic Diversity) and one associate vice provost (Enrollment Services). The various programs that previously fell under the supervision of the vice provost for Undergraduate Studies, now fall under these five direct reports.

Annual Progress in Assessing Institutional Progress

- We have organized our five-year program degrees with external committees evaluating programs within schools and colleges. A new Office of Accreditation and Program Review will work with units as they prepare for the program reviews.
- The reorganization of the Office of the Provost will allow for direct accountability for academic support services, enrollment services, international initiatives, and academic development, each with a Vice Provost in charge.
- Over the past year, there has been intensive planning for the Innovative Learning Resource Center, a proposed building that will serve as the academic home of Georgia Tech students in their first two years in residence. Ongoing experiments involving elements of the proposed building (e.g., West Information Commons and East Commons) have been

ongoing over the past year with much success as measured by student satisfaction and productivity.

- In December of 2006, Georgia Tech allocated the resources to develop an open-source course management system using Sakai (now called "T-Square." The plan was to implement the system by the Fall of 2007, and fully switch to the system across the campus by Winter of 2008. In a short six months, the system is being used in many undergraduate and graduate classes.

Summary of Major Accomplishments in 2006-2007

- The first year for new undergraduate Honors Program yielded 120 Freshmen living together and having special honors sections of courses together. There was high approval of the new program by both students and faculty involved in the program.
- In its second year, the International Plan included over 200 students and 20 academic programs. Additional staff support was hired to find international internships to augment the significant study abroad component of the program. This program involves the collaboration of our Office of International Education and our Office of Professional Education.
- The first year for the new Office of Undergraduate Research saw significant success in increasing number of undergraduate students involved in various research programs on campus.
- Created a new Office for Educational Technology to coordinate the use of educational technology on campus. As mentioned above, T-Square was the first project addressed by this new office.
- Established a new need-based scholarship program ("Georgia Tech Promise") that provides all expenses associated with a Georgia Tech undergraduate education for low-income families without requiring student loans. The program involves a combination of grants, scholarships, and work.
- Hired new professional advisors to support students who are considering professional education after graduating (i.e, Pre-medical, Pre-law, and Pre-secondary teaching).
- On-going strategic planning is incorporated into each five-year program review as the unit prepares a strategic plan and self study for the external committee.
- Retention and graduation: Many of the initiatives listed above are designed to give the student more academic options to become engaged with Georgia Tech. Our research clearly shows that students who are academic engaged are more likely to graduate. The Innovative Learning Resource Center is designed to enhance retention of first-year and second-year student even further.
- New Degrees have been established or in progress
  - BS in Biochemistry, MS in Music Technology

- PhD in International Affairs
- PhD in Robotics
- PhD in Computational Science and Engineering
- MS in Computational Science and Engineering
- (Professional) MS in Systems Engineering
- MS in Computer Science with the University of Trento (Italy)
- Dual MS in ISyE with Shanghai Jiao Tong University
- Dual MS in Computer Science with Korea University
- Dual MS in Computer Science and MS in Electrical and Computer Engineering with Nanyang Technological University (Singapore)

**Distance Learning and Professional Education**

Annual Progress in Assessing Institutional Effectiveness

- DLPE and OOD conducted a climate survey and used the results to undertake minor organizational changes and to launch internal team-building and customer service training programs.
- DLPE submitted materials for IACET (International Association for Continuing Education Training) accreditation of our Defense Technologies professional education program.
- DLPE revised our customer service survey for Global Learning Center space rental customers.
- DLPE instituted weekly "Go-NoGo" meetings to increase enrollments in short courses and to free up additional space for rental functions.
- DLPE instituted new processes ("Right from the Start" and "Genesis") to guide yearly renewal of short courses as well as the development of new short courses.

Summary of Major DLPE Accomplishments in AY 2007 (in terms of DLPE's seven strategic objectives)

- Fiscal Responsibility. Gross revenue (all sources) increased 14% from $20.6 to $23.5 million. Generated significant new resources from the sales of excess educational spectrum to Clearwire. CEU's increased 4% to 41,765. Language Institute enrollment (intensive English program) increased 15% to 1,229. Eighty-eight MS students graduated through the DL program. Global Learning Center space rentals increased 8% to $1.94 million. With the help of the spectrum lease, DLPE met its debt service for the first time. DLPE returned $7.6 million to George Tech units, an increase of 11% from FY06.

- Campus Partnerships. DLPE continues to work with campus academic units. Currently engaged with the College of Engineering (AE, ECE, ISyE) and GTRI in developing a Professional MS degree in Systems Engineering. DLPE continues to work with the College of Sciences and CEISMC in providing Georgia Tech calculus courses to 100 local high school students.
- Program Inventory. DLPE continues to grow customized off-site programs by working closely with academic units. DLPE has initiated a seed grant program using funds from the educational spectrum lease to encourage academic units to develop new non-credit programs and to extend current credit-side programs for distance delivery. DLPE is working with the College of Computing on the distance delivery of the Computational Science and Engineering MS degree and Ph.D. coursework.
- Customer Service. DLPE continues to provide a high level of customer service and has continued to provide employees with additional training to sustain our performance.
- Marketing & Sales. Patrice Miles was hired as the new Director of Marketing and Sales.
- Staff Development. Thomas Vance was hired as Director of Human Resources (a fifty percent appointment). Thomas has revised and improved DLPE's HR processes.
- IT and Infrastructure. DLPE completed its move of non-credit programs into the BANNER system. Gretchen Belgum was named DLPE Registrar. DLPE invested significant funds to upgrade the class check-in and food break lounges of the Global Learning Center.

**Georgia Tech Lorraine**

Summary of Accomplishments and Activities in 2006-2007

Research

- The creation and realization of the GT-CNRS International Laboratory (GT-CNRS UMI 2958), which is a joint international laboratory between Georgia Tech in the US and the *Centre National de la Recherche Scientifique* (CNRS) in France. It is the first of its kind in France and only the second one in Engineering in the world (the other being in Tokyo). The laboratory focuses two areas: Secure Networks and Smart Materials. It enables innovative transatlantic high-level research cooperation in strategic areas, with funding from French and EU agencies, and from various industrial sponsors. (over $3M in 2007). The laboratory was officially created in March 2006 and formally inaugurated in June 2007.

Academic Programs

- International Plan implementation for undergraduate students in ME, ECE, and CS at Georgia Tech Lorraine.
- Lead member of the Franco-US Doctoral College Network.

- Summer internship program for minority students at GT-Lorraine in partnership with local universities and laboratories. (NSF funding)
- Enrollments in Metz:
  - Spring 07: 103 students at GT-L (16 BS, 75 MS,12 PhDs) + 65 finishing their MS in Atlanta
  - Summer 07: 130 undergraduate students during the summer session
  - Fall 07: 160 students at GT-L (14 BS, 131 MS,15 PhDs) + 35 finishing their MS in Atlanta (15 countries represented)

Institutional Development

- Completed strategic planning for 2006-2011 for GT-Lorraine
- Positioned GT-Lorraine in the French National / Regional Funding system (CPER) for 2007-2013 by developing strategic alliances with various partners.
- New student dormitory: started construction July 07; anticipated completion October 08.

Outreach

- European Conference on Molecular Electronics (ECME) September 5-8, 2007 -- organized in Metz, France, by Georgia Tech and GT-Lorraine covered all areas related to organic and plastic electronics, including device fabrication and commercialization. Three Nobel laureates were keynote speakers (Robert Grubbs, Alan Heeger, and Jean-Marie Lehn).
- Started a Chapter of Women in Engineering at GT-Lorraine
- GT-Lorraine Student Board volunteered work with mentoring of local high School students; also with Rockdale High School students.