President’s Annual Retreat

Wayne Clough
August 15, 2007
Incoming freshmen class

- 2,694 (will lose some to “summer melt”)
  - 60% Georgia residents
  - 32% female
  - 46 states, 56 countries
  - 1,041 high schools represented
  - 8 sets of twins
- Average SAT: 1343
- Top majors: BMED, ME, Mgt, AE, CS
Georgia Tech Promise

- Historic commitment to provide broad access
- First of its kind in University System of Georgia
- Will enable us to recruit bright students from economically disadvantaged families

- Eligible students
  - Have family income of less than $30,000
  - Must apply for Pell Grants, other funds
  - Contribute through work/study

- Expect up to 400 students to qualify
Tech Promise recipients

- 196 students approved: 139 returning, 12 transfers, 45 freshmen
- Average family income: $22,754
- 128 men, 68 women
- 78 whites, 64 Asians, 38 African Americans, 12 Hispanics
- From 89 communities all around the state
- Average freshman SAT: 1322
- Average returning GPA: 3.11

“I strive to be something, to be successful, so I can give back to the community.”
Duane Carver
Undergrad programs thrive

- Honors Program: full at 120 freshmen; will add another 120 students from next year’s freshmen.

- International Plan: 291 students enrolled this year; expect to add another 200 in August.

- Undergraduate Research Option: first 5 students graduated in May; 1,334 students pursued structured research this academic year, increasing 20% a year since 2004.
Students recognized

Best IFC in the Southeast: 8 awards (more than double any other campus), including Fraternal Excellence Award

Tech AASU and GTSBE students prepare to tackle a New Orleans house.

Drew Hess: First Tech management student to win Kauffman PhD Dissertation Fellowship

Glee Club earns a standing ovation from a capacity crowd as “Ensemble in Residence” at Hawaii International Conference of Arts and Humanities.
Women’s tennis wins it all!

Coach Bryan Shelton named Intercollegiate Tennis Association National Coach of the Year
Special recognitions

Excellence in Academic Libraries Award

Gary May: AAAS Mentor Award

Gordon Moore: NSBE Minority Engineering Program Director Award for 2007

Paul Simon Award for education with an international focus
Tech hosts RoboCup 2007

- 300 teams from 37 nations
- Competitions:
  - 4-legged and humanoid soccer
  - Search-and-rescue
  - Microscopic robots
- 450 media hits, 10 major story placements
Welcoming new leaders

Dean of College of Sciences: Paul Houston, former Peter J.W. Debye Professor of Chemistry and Senior Associate Dean of Arts and Sciences at Cornell

Ray S. Farmer Jr. GRA Distinguished Chair in Embedded Computer Systems: Wayne Wolf, “smart camera” pioneer

Professor of the Practice, School of Chemistry and Biochemistry: Ronald Chance, former chief scientist, ExxonMobil

Tennenbaum Family GRA Chair in Energy and Sustainability: David Sholl, Professor of ChE, Carnegie Mellon
Diverse student body

- *Diverse Issues in Higher Education*: Georgia Tech is No. 1 producer of African American engineers
  - No. 1 in bachelor’s degrees
  - No. 2 in master’s degrees
  - No. 1 in doctoral degrees

- Georgia Tech awards over 10% of the PhDs in engineering earned by African Americans.
Graduates are in demand

- Last academic year: 550 recruiters conducted nearly 10,000 interviews on campus
- Fall Career Fair is the premiere event:
  - Companies want to get a jump on the best graduates
  - Space sold out in less than 3 weeks – a record
  - 2 days with over 200 companies each day
Research awards and expenditures
(in millions)

Awards

Expenditures

Fiscal year

Fiscal year
Recognized for biotech transfer

- No. 4 in start-up companies
- No. 8 in patents filed
- No. 11 in technology transfer

*Mind to Market: A Global Analysis of University Biotechnology Transfer and Commercialization*

A study by the Milken Institute
Facilities update

Marcus Nanotechnology Building
On schedule
On budget
Completion: Oct 2008

Old Civil Engineering Building: Renovation underway
North Avenue Apartments

- Gave us 2,005 new beds.
- Allowed 630 old beds to be taken out of service.
- Campus capacity now about 9,500 beds – 53% of student body.
- Most public universities can house only 25-35% of student body.
- Apartment style fills previously unmet need.
Undergraduate Learning Center

- Regents approved as part of capital budget request.
- 21st century learning environment:
  - Experiential, collaborative, technology-enhanced labs and classrooms for freshman, sophomore science
  - Academic services gathered in one place
  - Information Commons: Library East and West Commons are testbeds.
- Will frame the eastern side of Tech Green.
Impressions from the campaign

- Economy is strong in many sectors
- Tech’s reputation is strong, alumni are bullish
- Tech’s stock with corporations is high
- Most alumni understand the need
- Next generation of alumni wants to help
Impressions from the corporate sector

- Recruiters seek Tech students
- Research faculty working well with industry
- Strong demand for GT research capabilities
- Positive reaction to
  - International Plan
  - Interdisciplinary research
  - Campaign thrust areas: healthcare, nanotechnology, energy/sustainability
- High-level delegation visits with WalMart, IBM, Rolls-Royce, ExxonMobil, Southern Company/Georgia Power, Cisco, GE, GM, Texas Instruments, SCM Group
State Budget

- **Current fiscal year**
  - Resident instruction formula fully funded
  - Salary increase on Jan 1
  - GRA: $40 million including $10 million for vaccine initiative, $19 million in bonds for equipment

- **Outlook for next year**
  - Optimistic that formula will be funded
  - Optimistic that a salary increase will be provided
  - Hopeful that more capital projects will be funded
  - BUT can the governor and legislature agree?
National issues

- Access, cost, accountability; increasing scrutiny of management, operations for post-secondary education
- Deemed exports, H1-B visas
- America COMPETES Act for FY 2008-10, signed Aug 9:
  - $22 billion for NSF
  - $17 billion for DOE Office of Science
  - If fully implemented, would double budgets for both agencies in 7 years
- House (Murtha) proposal to cap DoD indirect costs for basic research
Regents adopt Strategic Plan

- Renew excellence in undergraduate education to meet students’ 21st century educational needs.
- Create enrollment capacity to meet the needs of 100,000 additional students by 2020.
- Increase the USG’s participation in research and economic development to the benefit of a global Georgia.
- Strengthen USG partnerships with the state’s other education agencies.
- Maintain affordability so that money is not a barrier to participation in the benefits of higher education.
- Increase efficiency, working as a system.
Governor’s customer service initiative

- University System units part of a statewide effort launched by Governor Perdue
- Georgia Tech: New “Defining Customer Service” training certificate program
  - 183 employees have signed up
  - 34 have completed
- Georgia Tech’s annual projects:
  - 2006-07: Improving student advising
  - 2007-08: Improving registrar’s office services
Retreat agenda

- Connecting with students
- Emergency preparedness
- Information security
- Provost’s task forces
- Campaign update
- Global GT
- First impressions