

# 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



Georgia Tech IFC  
Habit for  
Humanity House

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.

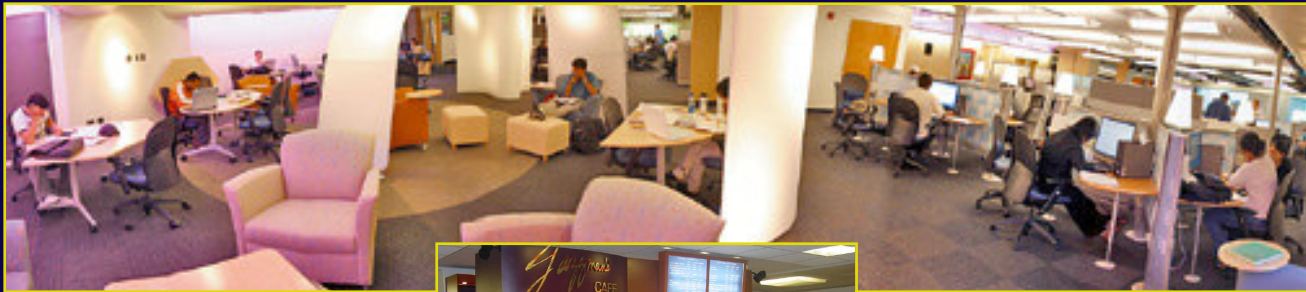
# Women's tennis wins it all!



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

# Special recognitions

Excellence in  
Academic  
Libraries  
Award



Gary May:  
AAAS Mentor  
Award

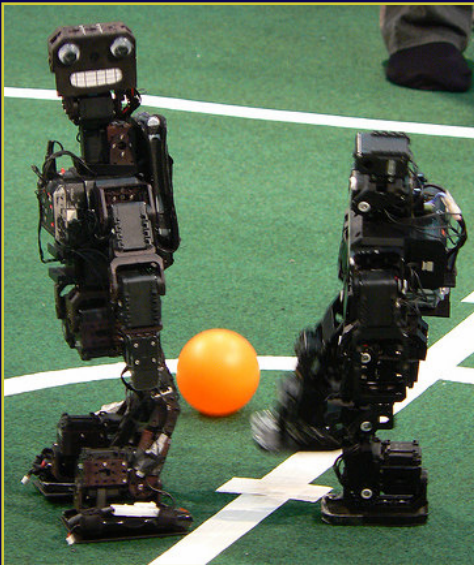


Gordon Moore: NSBE  
Minority Engineering  
Program Director  
Award for 2007

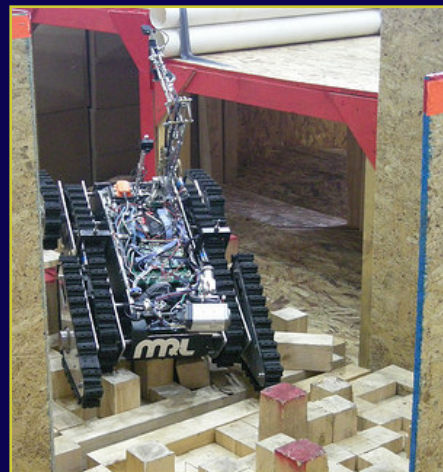
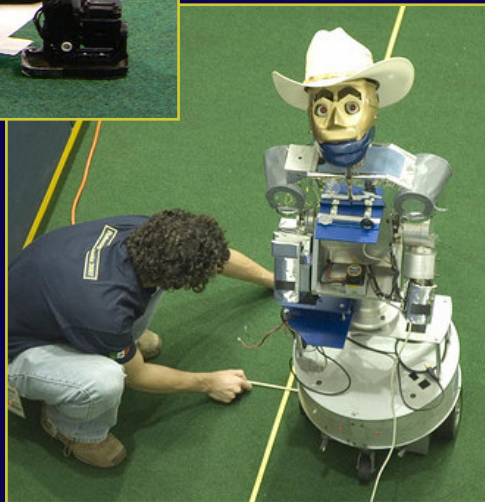


Paul Simon Award for  
education with an  
international focus

# 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

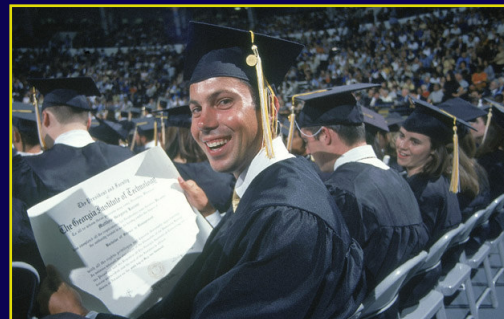
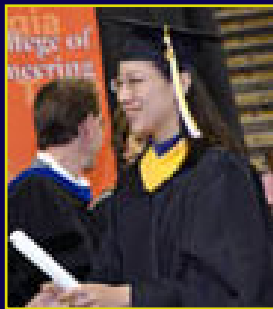
# Diverse student body

- *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

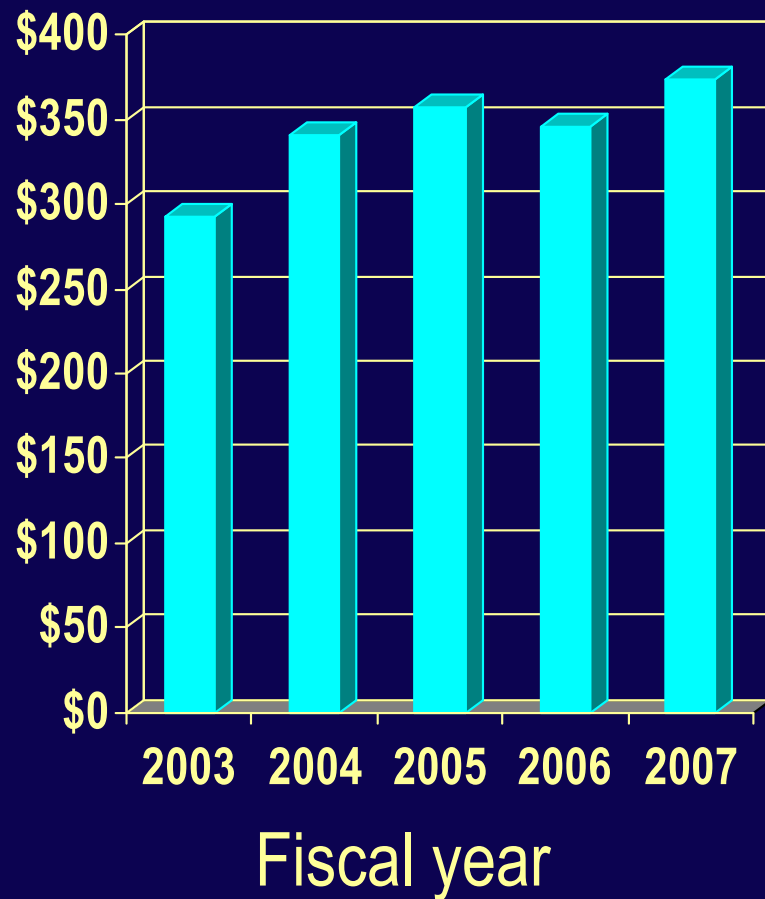
- Last academic year: 550 recruiters conducted nearly 10,000 interviews on campus
- Fall Career Fair is the premiere event:
  - ▷ Companies want to get a jump on the best graduates
  - ▷ Space sold out in less than 3 weeks – a record
  - ▷ 2 days with over 200 companies each day



# Research awards and expenditures

(in millions)

## Awards



## Expenditures



# Recognized for biotech transfer

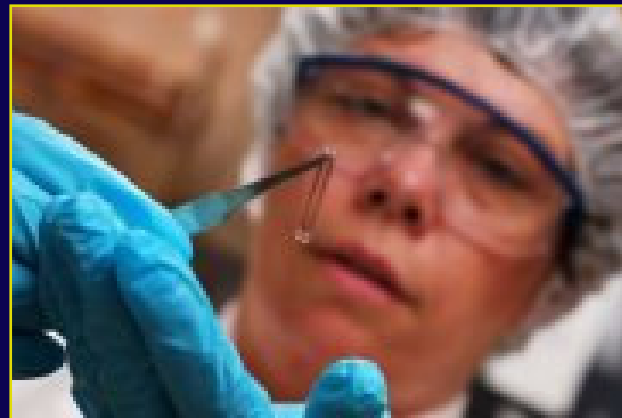
- No. 4 in start-up companies
- No. 8 in patents filed
- No. 11 in technology transfer

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

A study by the Milken Institute



Orthonics



CardioMEMS

# Facilities update



Marcus  
Nanotechnology  
Building

On schedule

On budget

Completion: Oct 2008

Old Civil Engineering  
Building: Renovation  
underway



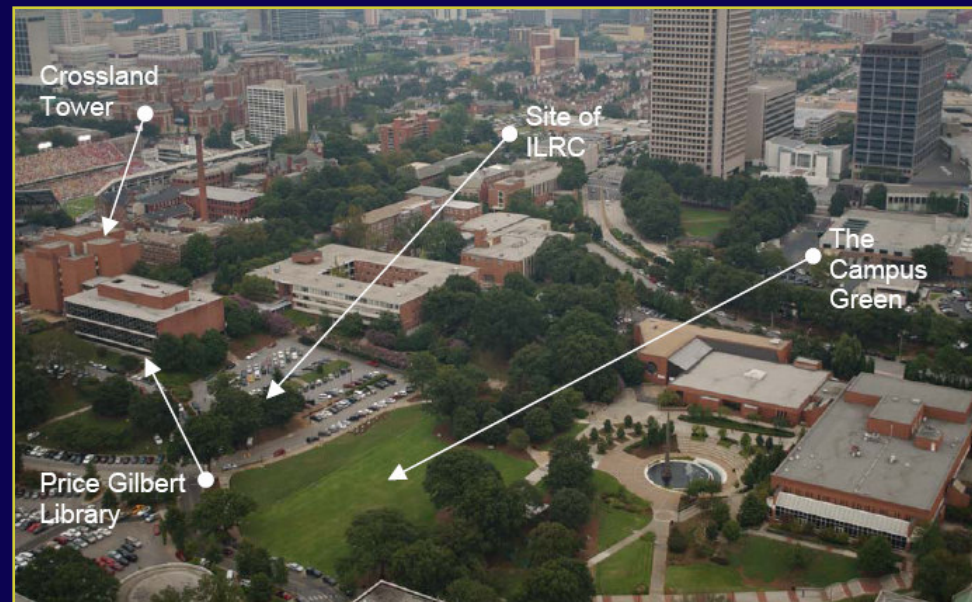
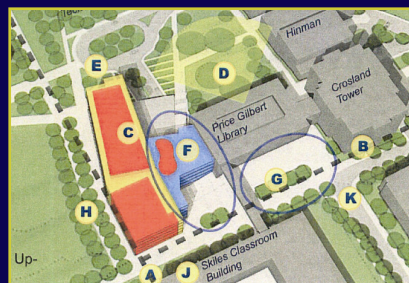
# North Avenue Apartments

- 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.
- 21<sup>st</sup> 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

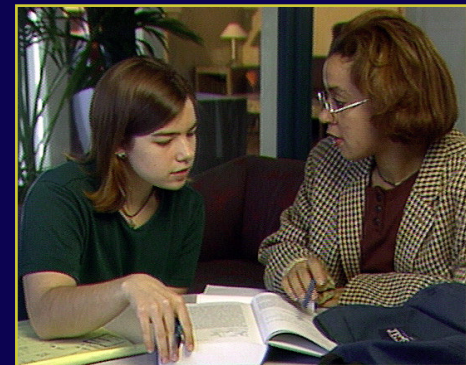


# Regents adopt Strategic Plan

- Renew excellence in undergraduate education to meet students' 21<sup>st</sup> 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

