Year in Review

National leader in African American, Hispanic engineers.

Going global: Programs and partnerships expand.

Campus Rec Center and Technology Square win awards.

Nanomedicine research takes off.
Incoming freshman class

- 4.5% increase in apps
- 73% applied online
- Average SAT of 1341
- IAC up 50%
- 2,438 freshmen:
  - 61% in state
  - 3% international
  - 29% women
  - 6.5% African American
  - 4.5% Hispanic
Students honored

Goldwater Scholar Ambika Bumb wins a Marshall Scholarship to pursue a Ph.D. at Oxford.

Jeremy Farris heads for Oxford as Tech’s 2nd Rhodes Scholar in 3 years.

Gates Scholar Anthony Hylick will pursue a Ph.D. at Cambridge.

Goldwater Scholar John Parrish continues undergrad studies at Tech.
Strong rankings continue

- No. 9 among public universities (+1)
- No. 37 among all universities (+4)
- 5 engineering programs rank among the top 5 of their specialty.
- College of Management No. 7 in quantitative analysis/methods
- Co-op program featured among “Academic Programs to Look For.”
Faculty achievements recognized

PECASE Awards:
Ali Adibi, ECE
William King, ME
David Anderson, ECE

Sloan Research Fellows:
Alex Kuzmich, physics
Todd Streelman, bio
Marcus Weck, chem & biochem

Fulbright Awards:
Fei-Ling Wang, internat’l affairs
Stuart Goldberg, modern lang
Carol Colatrella, LCC
New chairs

Mei-Yin Chou, Physics

Chip White, ISyE

Gary May, ECE

Atlanta Woman Magazine
Top 10 Inventors

Sam Nunn: Benjamin Franklin Award

Barbara Boyan, BME
Beth Mynatt, computing
Research

Flameless combustion

Analyzing the formation of cardiovascular plaque at the molecular level.

Aug 17 ribbon-cutting for Samsung RFIC Design Center at the Technology Square Research Building.
Athletes excel

Women’s tennis team 2005 ACC champs; in NCAA Sweet 16 for first time ever.

Baseball team captured ACC title, hosted NCAA regional.

Chaunte Howard won 3rd straight indoor NCAA high jump title; set new Tech record.

Golf team finished #2 nationally; 4th top-5 finish in 5 years. Named No. 1 program in nation by Golf Digest.
Aftermath of Katrina

Serving the evacuees

- 275 students from Tulane
- Coliseum became a Red Cross service center:
  - Shelter
  - Assistance and referral

Photo by Jamie Howell
Aftermath of Katrina

**Longer term assistance**

- 61 undergraduates, 19 graduate students accepted from Gulf area universities.
- Tech alumnus Major General Ron Johnson is deputy director of Army Corps of Engineers.
- Civil Engineering exploring a role in structural assessment, planning for rebuilding.
- Examining role at policy level.
- Exploring ways for Tech students to gain learning experience from participating in reconstruction effort.

CE students assessed post-9/11 damage.
Looking ahead...

... to the coming year and beyond.
Extending our international reach

- Expanding partnerships in China
- Undergrad semester abroad in Singapore
- International degree designation allows students to integrate an international focus into their program of study.

- GTRI preparing final proposal for applied research program in Ireland.
Expanding academic programs

- Interdisciplinary degrees:
  - International economics and modern language
  - International affairs and modern language
  - Digital media
- Research degree designation for undergrads
Emerging new research thrusts

Energy

Preventive medicine

Health systems
New facilities coming online

Swann Building

Klaus Advanced Computing Building

Molecular Science & Engineering Building
Campus gateway takes shape
Nanotechnology Research Center

- 188,000 gross sq ft facility.
- 30,000 sq ft of cleanroom space.
- Nation’s first cleanroom facility to be deliberately designed to serve nanomedicine, biotechnology.
- Three “cleanest” classes of labs (10, 100, 1000).
- Flexible configuration will meet differing research needs.
Technology Enterprise Park
State/Board of Regents

- Election-year considerations
- Budget situation improved
- Commission for a New Georgia recommendations
- New Chancellor
- Innovation Summit Oct 31
Tech’s economic impact

- Huron study commissioned
- 12 major corporate sponsors
- Document economic impact
- Identify means to optimize Tech’s future impact
- Make recommendations
Corporate sponsors

- BellSouth
- Earthlink
- Scientific Atlanta
- The Southern Company
- Bank of America
- The University Financing Foundation (TUFF)
- Waffle House
- Imlay Foundation
- Moseley-Kelly-French Corp.
- Internet Security Systems
- CB Richard Ellis
- Georgia Tech Foundation
Why is it important?

- Global economic changes open opportunities for Georgia Tech to play a broader role in society.
- Sea change in state support raises questions of where Georgia Tech is going as an institution.
- Strong need to make the case for higher education support. What better way than to focus on its economic development potential?
Campaign 2010 Update
Competitors are on the move

- **Cal Tech**: $600 million gift from Gordon Moore for educational and scientific programs to be agreed upon.
- **Stanford**: $400 million from Hewlett Foundation for undergrad education and arts and sciences.
- **UCLA**: $200 million gift for medical school.
- **Berkeley**: building $162 million Stanley Biosciences and Bioengineering Facility.
- **Purdue**: building $100 million Discovery Park that includes $51 million Birck Nanotechnology Center.
- **MIT**: $50 million gift for brain research.
- **Michigan**: $44 million gift for diabetes research.
### Billion-dollar campaigns now under way

<table>
<thead>
<tr>
<th>Institution</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Univ of Virginia</td>
<td>$3.0 billion</td>
</tr>
<tr>
<td>Univ Michigan</td>
<td>$2.5 billion</td>
</tr>
<tr>
<td>NYU</td>
<td>$2.5 billion</td>
</tr>
<tr>
<td>UCLA</td>
<td>$2.4 billion</td>
</tr>
<tr>
<td>Johns Hopkins</td>
<td>$2.0 billion</td>
</tr>
<tr>
<td>Washington</td>
<td>$2.0 billion</td>
</tr>
<tr>
<td>Univ Chicago</td>
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</tr>
<tr>
<td>Univ N Carolina</td>
<td>$1.8 billion</td>
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<tr>
<td>Purdue</td>
<td>$1.5 billion</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>$1.5 billion</td>
</tr>
<tr>
<td>Cal Tech</td>
<td>$1.4 billion</td>
</tr>
<tr>
<td>UC San Fran</td>
<td>$1.4 billion</td>
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</table>

<table>
<thead>
<tr>
<th>Institution</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Dartmouth</td>
<td>$1.3 billion</td>
</tr>
<tr>
<td>Vanderbilt</td>
<td>$1.25 billion</td>
</tr>
<tr>
<td>Michigan State</td>
<td>$1.2 billion</td>
</tr>
<tr>
<td>RPI</td>
<td>$1.0 billion</td>
</tr>
<tr>
<td>Stanford</td>
<td>$1.0 billion</td>
</tr>
<tr>
<td>Texas A&amp;M</td>
<td>$1.0 billion</td>
</tr>
<tr>
<td>Univ Arizona</td>
<td>$1.0 billion</td>
</tr>
<tr>
<td>UC San Diego</td>
<td>$1.0 billion</td>
</tr>
<tr>
<td>Univ Iowa</td>
<td>$1.0 billion</td>
</tr>
<tr>
<td>Univ Miami</td>
<td>$1.0 billion</td>
</tr>
<tr>
<td>Pittsburgh</td>
<td>$1.0 billion</td>
</tr>
<tr>
<td>Arkansas</td>
<td>$1.0 billion</td>
</tr>
</tbody>
</table>

Peer institutions
Peer endowments
(in millions)

Source: Council for Aid to Education

Stanford
MIT
Michigan
Northwestern
Texas A&M
Cornell
Berkeley
Johns-Hopkins
UT-Austin
Minnesota
UCLA
Cal Tech
Purdue
GA TECH
Washington
Penn State
Carnegie-Mellon
Florida
Va Tech
NC State

Billion dollar campaign underway
Billion dollar campaign recently ended

Source: Council for Aid to Education
States are cutting back

- 23 states cut state funding for higher education for 2003-04.
- 28 states have reduced funding for higher education over the course of the past two years.
- 4-year public colleges increased tuition by an average of 7.5 percent this year on top of three consecutive year of double-digit increases.
In-state tuition per semester at public peer universities
(2004-2005)
New initiatives respond

- North Carolina: $3.1 billion bond referendum for facilities at state colleges and universities.
- Arizona: $450 million initiative for research infrastructure at state universities.
- 10 states significantly increased student aid funds while cutting overall higher education appropriations last year.
Warning signs for GT

- Demonstrated student financial need is increasing.
- Pressure from peer competitors is growing
- Historical model of state funding is in flux.
- Increasing number of faculty are being recruited by others.
A comprehensive strategy

- Don’t give up on state funding; fight for our share of resources dedicated to higher education.
- Shape initiative funding that will help the state and Georgia Tech; e.g., GRA, nanotechnology, etc.
- Develop a compact with the state including a commitment to base funding and an ability to use tuition to maintain level support.
- Huron study: change the paradigm with the BOR
- Increase revenues from non-traditional sources.
- Begin the next campaign for Georgia Tech.
A comprehensive campaign

- Generate forward momentum.
- Address areas of growing need.
- Build resources to retain top faculty.
- Support for strategic initiatives.
- Improve competitive position.
NOTE: The quiet phase of the Campaign for Georgia Tech was unusually brief; the normal quiet phase is several years.
Funds Raised v Average Required

Millions of Dollars:

- Funds Raised
- Average Required

<table>
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<tr>
<th>Year</th>
<th>Funds Raised</th>
<th>Average Required</th>
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<tbody>
<tr>
<td>Jun-95</td>
<td>$711.9</td>
<td>$0</td>
</tr>
<tr>
<td>Dec-95</td>
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<tr>
<td>Jun-96</td>
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<tr>
<td>Dec-96</td>
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<tr>
<td>Jun-97</td>
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</tr>
<tr>
<td>Dec-97</td>
<td>$500</td>
<td>$500</td>
</tr>
<tr>
<td>Jun-98</td>
<td>$600</td>
<td>$600</td>
</tr>
<tr>
<td>Dec-98</td>
<td>$700</td>
<td>$700</td>
</tr>
<tr>
<td>Jun-99</td>
<td>$800</td>
<td>$800</td>
</tr>
<tr>
<td>Dec-99</td>
<td>$900</td>
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</tr>
<tr>
<td>Jun-00</td>
<td>$1,000</td>
<td>$1,000</td>
</tr>
<tr>
<td>Dec-00</td>
<td>$711.9</td>
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<tr>
<td>Purpose</td>
<td>Goal</td>
<td>Actual</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>----------</td>
<td>-----------</td>
</tr>
<tr>
<td><strong>Endowment</strong></td>
<td>$290 m (48%)</td>
<td>$321 m (45%)</td>
</tr>
<tr>
<td>Student support</td>
<td>$50 m ( 8%)</td>
<td>$53 m ( 7%)</td>
</tr>
<tr>
<td>Faculty support</td>
<td>$75 m (12.5%)</td>
<td>$85 m (12%)</td>
</tr>
<tr>
<td>Program enrichment</td>
<td>$140 m (23%)</td>
<td>$155 m (22%)</td>
</tr>
<tr>
<td>Unrestricted</td>
<td>$25 m ( 4%)</td>
<td>$28 m ( 2.5%)</td>
</tr>
<tr>
<td><strong>Facilities &amp; equipment</strong></td>
<td>$125 m (21%)</td>
<td>$179 m (25%)</td>
</tr>
<tr>
<td>Construction</td>
<td>$95 m (16%)</td>
<td>$147 m (21%)</td>
</tr>
<tr>
<td>Equipment</td>
<td>$30 m ( 5%)</td>
<td>$32 m ( 4.5%)</td>
</tr>
<tr>
<td><strong>Current operations</strong></td>
<td>$185 m (31%)</td>
<td>$209 m (29%)</td>
</tr>
<tr>
<td>Restricted purposes</td>
<td>$150 m (25%)</td>
<td>$165 m (23%)</td>
</tr>
<tr>
<td>Unrestricted</td>
<td>$35 m ( 6%)</td>
<td>$44 m ( 6%)</td>
</tr>
<tr>
<td><strong>To be determined</strong></td>
<td>---</td>
<td>$3 m</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$600 m</td>
<td>$712 m</td>
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Funds by use: Campaign for Georgia Tech

Goal
- Operations
- Endowment
- Facilities

Actual
- Operations
- Endowment
- Facilities
<table>
<thead>
<tr>
<th>Funds by use</th>
<th>Campaign for GT</th>
<th>Campaign 2010</th>
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Funds by use

Campaign for GT
Actual

- Operations
- Facilities
- Endowment

Campaign 2010
Goal

- Operations
- Facilities
- Endowment
Student support

- Scholarships, fellowships to attract bright students.
- Need-based assistance more important as tuition increases. (Competitors up the ante by guaranteeing assistance for needy students.)
- Support for diversity: minorities, international students
Faculty support

- Endowed chairs to hold outstanding faculty.
- Chairs endowed at the Institute level, that can be moved to areas of greatest need and opportunity.

Z. L. Wang  
Nanomaterials

C. P. Wong  
Microelectronic chip packaging
Faculty support

- Attracting eminent scholars and their teams, which in turn brings excellence and research funding:

  Photonics group

  Jean-Luc Bredas
  Seth Marder
  Bernard Kippeln
  Joseph Perry

  Russ Dupuis
  Advanced materials and devices like LEDs, lasers, semiconductor materials
Funds by source: Campaign for Georgia Tech

<table>
<thead>
<tr>
<th>Source</th>
<th>Goal</th>
<th>Actual</th>
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<tbody>
<tr>
<td>Alumni</td>
<td>$330 m (55%)</td>
<td>$345 m (48%)</td>
</tr>
<tr>
<td>Corporations</td>
<td>$150 m (25%)</td>
<td>$172 m (24%)</td>
</tr>
<tr>
<td>Foundations</td>
<td>$60 m (10%)</td>
<td>$104 m (14.5%)</td>
</tr>
<tr>
<td>Friends</td>
<td>$60 m (10%)</td>
<td>$80 m (11%)</td>
</tr>
<tr>
<td>Other organiz.*</td>
<td>---</td>
<td>$11 m (2%)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$600 m</td>
<td>$712 m</td>
</tr>
</tbody>
</table>

* Industry and trade associations
Funds by source: Campaign for GT

Goal
- Alumni
- Corporations
- Foundations
- Friends
- Other organizations

Actual
- Alumni
- Corporations
- Foundations
- Friends
- Other organizations
### Funds by source: Campaign for GT

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<td>Other organiz.</td>
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<td>$10 m (1%)</td>
</tr>
<tr>
<td>Friends</td>
<td>$80 m (11%)*</td>
<td>$20 m (2%)</td>
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<tr>
<td>Faculty/staff</td>
<td>---</td>
<td>$5 m (0.5%)</td>
</tr>
<tr>
<td>Parents</td>
<td>---</td>
<td>$5 m (0.5%)</td>
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<tr>
<td>Surviving spouses</td>
<td>---</td>
<td>$10 m (1%)</td>
</tr>
<tr>
<td>Students</td>
<td>---</td>
<td>---</td>
</tr>
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</table>

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* Included one-time bequest of $47 m

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<table>
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<tbody>
<tr>
<td>Actual</td>
<td>$712 m</td>
<td>$1 billion</td>
</tr>
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</table>

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*40 m*
## Scale of gifts: Campaign for GT

(Number of gifts and percentage of dollars raised)

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<tr>
<th>Level</th>
<th>Targeted</th>
<th>Actual</th>
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</thead>
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<td>$5 million +</td>
<td>16 (30%)</td>
<td>27 (39%)</td>
</tr>
<tr>
<td>$1 – 5 million</td>
<td>115 (30%)</td>
<td>95 (26%)</td>
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<tr>
<td>$100,000 - $5 m</td>
<td>750 (25%)</td>
<td>645 (23%)</td>
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<tr>
<td>$1 – 100,000</td>
<td>50,000 (15%)</td>
<td>44,551 (12%)</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>52,100 (100%)</strong></td>
<td><strong>47,423 (100%)</strong></td>
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## Scale of gifts: Campaign 2010

<table>
<thead>
<tr>
<th>Level</th>
<th>Target</th>
<th>Percentage</th>
<th>Value</th>
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<td>(40%)</td>
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<td>$1 – 10 million</td>
<td>125</td>
<td>(25%)</td>
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<td>$100,000 - $1 million</td>
<td>1,100</td>
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<td>$250 million</td>
</tr>
<tr>
<td>$1 – 100,000</td>
<td>50,000</td>
<td>(10%)</td>
<td>$100 million</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>55,242</td>
<td>(100%)</td>
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