

A photograph of a brick building facade, likely a Georgia Institute of Technology building. The image shows a gabled roof with two white conical chimneys. Below the roofline, there is a large, three-dimensional sign with the letters 'GT' in white and yellow. The background is a clear blue sky.

# President's Report

G. Wayne Clough

Georgia Tech Foundation  
December 7, 2006

2006 ANNUAL REPORT

## DEFINING THE FUTURE



RETURN ON INVESTMENT  
FISCAL YEAR 2006

A REPORT FROM PRESIDENT G. WAYNE CLOUGH TO THE GEORGIA TECH FOUNDATION

## DEFINING THE FUTURE



# FY 2006 reports

Institute Annual Report is  
in your folder.

Return on Investment  
Report is posted online:  
[www.gatech.edu/president](http://www.gatech.edu/president)  
in the “Spotlight” section on  
the right and under the  
“Publications” tab on the left.

# Finding Common Ground

2-day, campus-wide, student-led initiative to promote dialog between students with different backgrounds and viewpoints on today's issues.

Goals: promote understanding, cultivate skill in discussing difficult issues



Finding Common Ground keynoter Maya Angelou was eloquent, witty, wise.

# Faculty continue to win honors

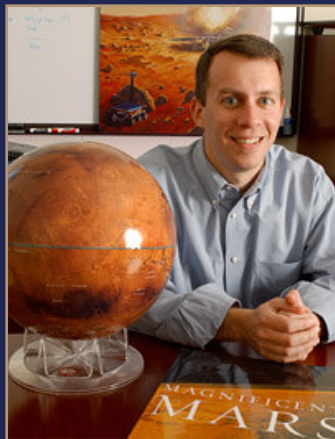
## 4 faculty named AAAS Fellows:

Evans N. Harrell, assoc dean, sciences

Boris Mizaikoff, chemistry & biochemistry

Nancy Nersessian, computing, public policy

Z L Wang, materials science & engineering



Fellow of the American Institute  
of Aeronautics and Astronautics:  
Robert Braun, aerospace  
engineering

# In tribute: Greg Abbot

Artistic Director, DramaTech 1984-2006



Greg nourished the creative side of Georgia Tech students and had just launched the 60<sup>th</sup> anniversary season of DramaTech, Atlanta's

oldest continually operating theater, with "The Lion in Winter."

# New centers expand medical research



Center for Pediatric Outcomes and Quality, joint with Children's Health Care of Atlanta, will seek innovative solutions to challenges of pediatric care and quality improvements.

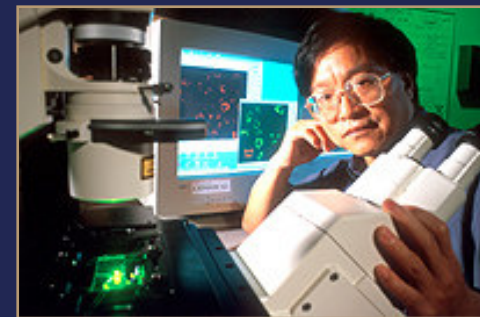
3 national centers of excellence in nano-medicine within two years:

Cardiovascular disease

Cancer

DNA, RNA

Joint center with Shepherd Center to develop wireless technologies for those with disabilities.



# 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

# Renewed focus on energy



Researchers **Thomas Bradley** (from left), **Adam Broughton**, **Blake Moffitt** and **Reid Thomas** have developed a remote-controlled aircraft that could be the harbinger of planes that stay aloft for weeks. It's fueled by hydrogen, which has an unfairly explosive reputation, they say.

## HYDROGEN REVISITED

Georgia Tech researchers build plane that uses elemental fuel and may bring new era of efficiency

By DAVE HIRSCHMAN / dhirschman@ajc.com

**H**ydrogen has had a bad name in aviation since the Hindenburg burst into flames in 1937. But a team of Georgia Tech researchers, working from a basement lab, has designed an aircraft that could help the clean-burning gas make a

**GEORGIA TECH'S FLYING MACHINE**  
► Wingspan: 22 feet  
► Weight: 37 pounds

The Atlanta Journal-Constitution

- Strategic Energy Initiative
  - ▷ Technology development, assessment, demonstration, policies
  - ▷ Southern Pine to Ethanol
  - ▷ \$12 million partnership with Chevron: biofuels, hydrogen
- Creative new ideas: unmanned aerial vehicle powered by hydrogen fuel cells

# “Clean tech” gets traction

- Sustainability and environmentally “clean” technology were the focus of a visit with WalMart executives from around the world.
- Tech’s VentureLab has 5 “clean-tech” start-up companies in development, with 4 more projects in the pipeline.



C2 Biofuels



Climate  
Forecast  
Applications

# New buildings

Molecular Science  
and Engineering



Klaus Advanced  
Computing

# 5<sup>th</sup> Street Bridge dedicated Dec 5



# Other news around campus

- Georgia Tech named to President's Higher Education Community Service Honor Roll in recognition of service to surrounding neighborhoods and on Gulf Coast after Hurricane Katrina.
- Tech among 15 best academic places to work
- Tech among top 5 engineering schools for Hispanics
- John Stein named Dean of Students



# At the top

Top 10 public university  
Top 5 engineering program  
Top 10 rating for all  
engineering disciplines

Top 5 in average SAT score  
among public universities  
Top producer of minority,  
female engineers

Best campus rec center  
Best golf program  
Best collegiate tennis  
athlete

Top 2 in engineering research  
Top 5 in nanomedicine research  
Top 5 in biotech start-ups  
Top 10 in patents  
Top university-based incubator

Top 2 in NSF CAREER Awards  
Top 10 in National Academy members  
Top 10 in PECASE Awards

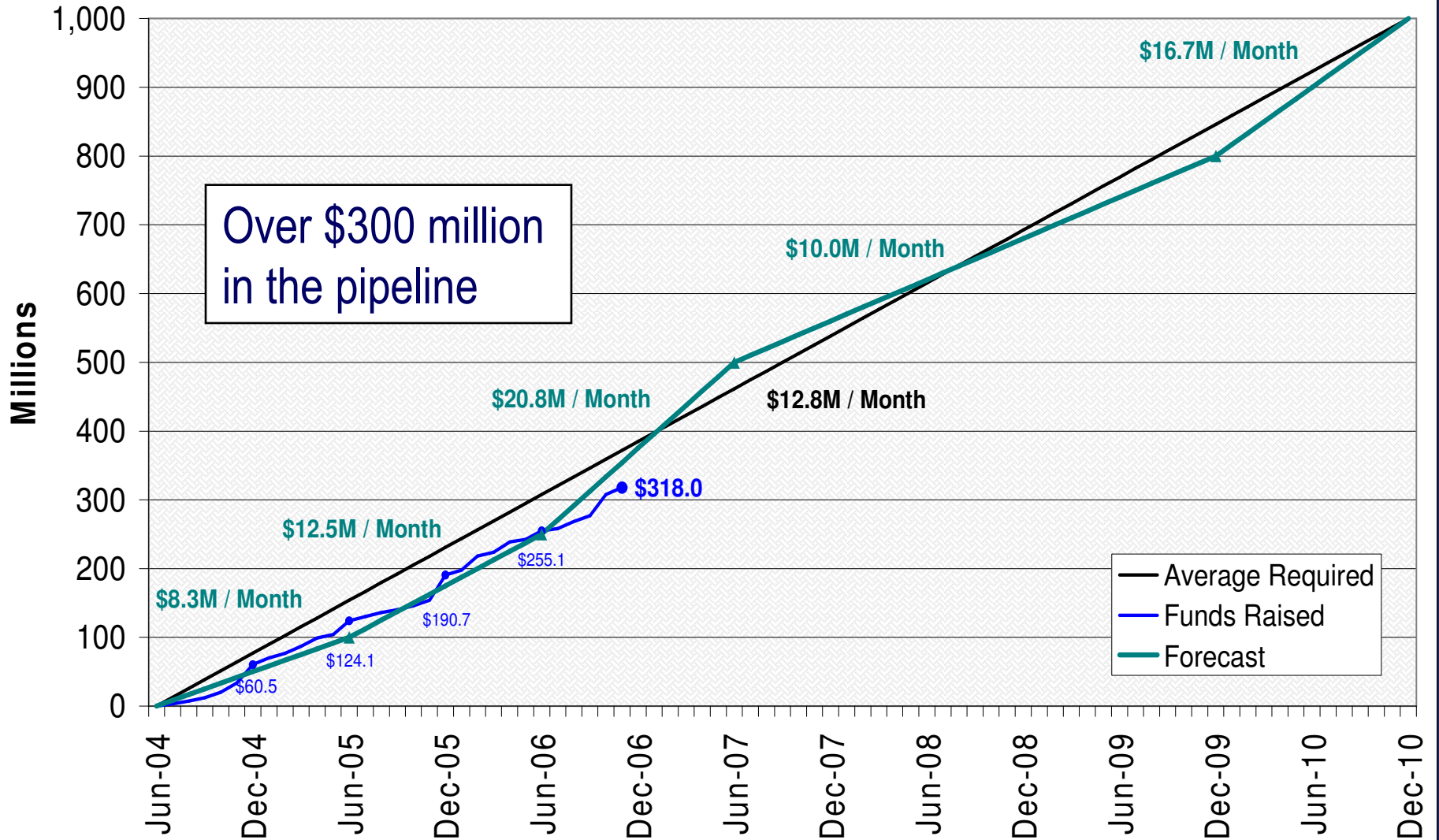
Top 5 among publics in alumni giving  
Top 10 transformative urban development  
Top 12 best value in public education  
Top 12 academic places to work

# CAMPAIGN 2010

Georgia Institute of Technology

## Summary of Objectives Funds Raised v Required

July 1, 2004 through November 30, 2006



# Strategic imperatives

- Land:

“Buy land; they’re not making it anymore.” Mark Twain

Have received a 7-figure gift designated for real estate

- Next generation facilities:

Marcus Nanotechnology Building

Undergraduate Learning Center

“Bio-Z” Building

Athletic facilities

- Need-based scholarships:

450 students lost HOPE scholarships, have financial need

Undergrads have almost \$23 million in unmet financial need  
for the 2006-07 academic year

# Our competitors are on the move

- **University of North Carolina**: Carolina Covenant guarantees debt-free education to students whose families are below 200% of federal poverty level and who work 10-12 hours/week on campus.
- **University of Washington**: Husky Promise provides full tuition for in-state students from families at or below 65% of the state's median family income.
- **Arizona State**: Sun Devil Promise provides free education to in-state students from families with incomes of \$25,000 or less
- **Michigan**: Launched M-PACT in 2005 to provide \$3 million a year in aid to low-income in-state students. Michigan Difference Campaign now raising a \$60 million endowment for this program.

# More public competitors

- **Minnesota**: Founders Opportunity Program provides need-based aid to in-state students. Promise of Tomorrow campaign raising \$150 million endowment to increase total number of undergrads receiving aid from 4,500 to 6,000.
- **Berkeley**: Cal-Bears Scholarships awarded to nearly 4,000 students each year based on a combination of academics and financial need; Cal Opportunity Scholarships for students who have overcome challenging socio-economic circumstances to get to college.
- **North Carolina State**: University Need-Based Academic Scholarships for students who are both academically competitive and have financial need.
- **U Texas**: Toward Excellence, Access, Success (TEXAS) grants for in-state students with financial need.

# Private competitors

- **CalTech and MIT**: Meet 100% of demonstrated financial need.
- **Harvard**: Students from families with incomes of \$60,000 or less attend free; financial expectations reduced for families with incomes of \$60,000-\$80,000.
- **Stanford**: Students from families with incomes of \$45,000 or less attend free; financial expectations reduced for families with incomes of \$45,000-\$60,000.

# Dan Radakovich



- Former senior associate athletics director at Louisiana State University
- Nearly 20 years experience in management of collegiate athletics
- Working hard to put GTAA financing on solid footing in line with other schools