A LEGACY OF STRATEGIC GROWTH

STATE OF THE INSTITUTE 2008
A legacy of strategic growth

➢ No. 7 among the nation’s public universities
A legacy of strategic growth

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- Enhanced educational experience
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- Campus expanded in size, beauty, sustainability
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- Campus expanded in size, beauty, sustainability
- Growth in research enterprise
- A truly global university
New year off to a running start

➤ Record enrollment of over 19,400
➤ Smartest freshman class ever enrolled
➤ 420 companies recruit at September Career Fair
Students win prestigious scholarships

Andrew Marin: Gates Cambridge Scholar
Adam Tart: George Mitchell Scholar
Inn Inn Chen: Marshall Scholar
Thomas Christian: Morris Udall Scholar
Andrea Barrett: Goldwater Scholar
Nicole Larsen: Astronaut Foundation Scholar
Students named Fulbright Scholars

- Daniel Schorr, to Japan
- Halley Espy, to Germany
- Thomas Earnest, to Tunisia

2007 National Co-op Student

- Reeve Ingle

Winning business plan

Georgia Tech-Emory Team
Student athletes excel

Golf team: 9th in the nation

Women’s basketball: First national ranking in 14 years
Andrea McDowell, Kristi Miller

Hannah Krimm: Tech’s first female All-American in diving

Baseball: 22nd NCAA Tournament appearance in 24 years
Continuing the tradition of excellence

Mostafa El-Sayed: National Medal of Science

Elliot Moore: Presidential Early Career Award for Scientists and Engineers (PECASE)

James Foley: National Academy of Engineering

World’s top young innovators:
Karen Liu
Xudong Wang
Awards honor outstanding faculty

**AAAS Fellows:**
- Judy Curry
- Randall Engle
- Cheryl Leggon
- Rick Trebino

**Cancer Coalition Scholars:**
- Yuhong Fan
- Melissa Kemp
- Francesca Storici
- Ming Yuan

**Sloan Awards:**
- Danny Breznitz
- King Jordan
- Nick Feamster
- Adam Kalai

**CAREER Awards:**
- Johanna Temenoff
- Karen Liu
- Yuri Bakhtin

**Distinguished Fellow, College of Production Innovation and Technology Management**
- Cheryl Gaimon
Enlarging Tech’s international profile

Bill Koros: $10 million KAUST grant for research on advanced membranes

Jean-Luc Bredas: One of world’s most-cited chemists

European Union Center of Excellence 2008-2011

Arthur Ragauskas: Fulbright Distinguished Chair in Alternative Energy in Sweden

Georgia Tech Lorraine: International conference on recent advances in material processing
Recognized for sustainability

Exemplary in academics, campus operation

American Forest & Paper Association College & University Recycling Award

6th place in Solar Decathlon

Klaus Advanced Computing Building: LEED Gold certification

Top score on the “Green Honor Roll”
CHALLENGES OF THE COMING YEAR
Finding Tech’s next president

- Search committee began work in August
- Search firm: R. William Funk & Associates
- Open meetings Sept 16-17 for campus input
- Goal: Announce new president next spring
A year of preparation

- Assessing administrative functions
- Preparing white papers
  - Measuring progress on the Strategic Plan
  - Identifying future directions, opportunities

Defining the Technological Research
University of the 21st Century

THE STRATEGIC PLAN OF GEORGIA TECH
Imagining the Georgia Tech of the future

- Campus Master Plan: campus capacity of 22,000
- On campus now: 18,174
- How do we balance a growing enrollment with a green, low-rise campus?
Moving the campaign forward

- Almost two-thirds of the $1 billion goal raised.
- Leadership, fund raising continue by:
  - Campaign Steering Committee
  - Interim president, deans, school chairs, interdisciplinary center directors
  - Athletic Association
  - Alumni Association
- Will continue in quiet phase during the presidential search.
Crunching budget numbers

- 6 percent ($16 million) cut in state funds expected this year; perhaps more this year and/or next.

- Value of periodic occasions that call for streamlining, improving efficiency, realigning resources with strategic priorities.

- Taking the long view – being strategic about consolidations, reconfigurations so that we are positioned to move forward quickly in emerging fields as the economy recovers.
FRAMEWORK FOR THE FUTURE
Emerging as a leader in energy, sustainability

“If we were serious about weakening both Putin and Putanism, we would be investing $1 billion in Georgia Tech to invent alternatives to oil – the high price of which is the only reason the Kremlin is strong enough today to bully its neighbors and its own people.”

Thomas Friedman
New York Times, September 1, 2008
Integrating a wide range of solutions

Maximizing the opportunity

Developing new energy sources
Understanding climate change, shaping energy policy

Robert Dickinson
Marilyn Brown
Rong Fu
Robert Dickinson
Intersection of medicine, nanoscience, computing

- Diagnosing and treating disease
- Developing designer drugs
- Repairing DNA and RNA
- Studying stem cells
- Personalizing medicine
- Mending the nervous system
- Integrating bio-systems data
Modeling: another mode of discovery

Manipulating massive data sets

Refining simulations with real data

Modeling communities

Ramping up to exascale computing

Modeling atoms

Modeling social systems with games
POSITIONED FOR GREATER PROMINENCE