Georgia Tech—Achievements, Challenges, and Impacts

Presentation to Commerce Club Board of Directors
by
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Legacies from the Olympics

- Infrastructure
- Neighborhood
- Publicity
- Goodwill

1996 Rankings and Recognitions

- *U.S. News & World Report* - ranked among 50 best schools
- *Money* - ranked 15th out of 1,015 (best values)
- *U.S. News & World Report* - 14 graduate programs ranked in top 25
- Advanced Technology Development Center (ATDC) wins best national incubator award

1995-96 Student Achievements

- Honor Code implemented
- Freshman class rated best in country (public universities)
- Record participation in Co-op program
- Average SAT score for entering freshmen rises to 1309

1995-96 Faculty Achievements

- Two new NAE members; 14 total
- Six new NSF CAREER awards
- Record research expenditures

Capital Campaign—Threshold of a New Era
(Results as of October 1996)

- $400 million goal
- 15 Chairs funded or committed
- Endowments for DuPree School of Management, Petit Institute for Bioengineering and Bioscience
- Over $13 million raised for facilities
- Over $11.2 million for scholarships/fellowships

University System/State Support

- Continued salary improvement
- Special initiatives funded
- Tuition reinvestment
- Student/faculty ratio lowered
GRA Investments

- Partnership of research universities, state government, and the business community
- Investments pay dividends in research and economic development
- 6 Georgia universities working together
- 17 scholars funded, 7 at Georgia Tech
- Total state funds invested: $58 million (through 1995)
- Total non-state matching fund invested: $145 million (through 1995)
- Tech’s GRA-funded Research centers: GCATT, Packaging Research Center

Recently Completed Facilities

- GCATT building opened
- MRDC phase I completed
- Seven Olympic residence halls and FutureNet added
- Planning underway - Biotech building, MRDC phase II

Facilities Study

- Engaged top consulting team
- Tech facilities in poor condition relative to comparable schools
- $130 million deferred maintenance
- Need to add another $350 million in new buildings/renovations

Looking Ahead

- Implement strategic plan
- Address facilities/equipment issues
- Develop master plan for campus
- Achieve 1996-97 Capital Campaign goals
- Personalize undergraduate educational experience
- Enhance distance/on-line learning opportunities

Looking Ahead—Special Initiatives

- Educational technology
- New ventures in entrepreneurship
- Information technology
- Biotechnology
- Sustainable/environmental technology
- Manufacturing
- Telecommunications
- Senator Sam Nunn
NSF CAREER Awards

Peer Institutions
Fiscal Years 1995 and 1996
Awards

Massachusetts Institute of Technology 17
University of Illinois-Urbana 17
Georgia Institute of Technology 13
Carnegie-Mellon University 13
Pennsylvania State University 13
Purdue University 12
University of Michigan-Ann Arbor 12
University of Minnesota-Twin Cities 11
University of Wisconsin-Madison 10
Northwestern University 9
University of California-Berkeley 9

Research Expenditures
Fiscal Years 1986 through 1996

[Graph showing research expenditures from 1986 to 1996]


**Economic Impact - Technology/Universities**

- "Firms that use advanced technologies are more productive, pay higher wages, offer more secure jobs, and increase employment more rapidly than firms that do not."
  
  "Building The American Dream for the 21st Century,"
  
  US Dept. of Commerce

- "...as much as 50% of the nation's post-war economic growth is related to the development and use of technology."
  
  "Building The American Dream for the 21st Century,"
  
  US Dept. of Commerce

- "Growth companies with university ties have productivity rates almost two-thirds higher than peers"
  
  Coopers & Lybrand

**Economic Impact — Georgia Tech**

- A Research University with a Difference
  - Georgia Tech Research Institute (research, training, continuing education)
  - Economic Development Institute (tech transfer, stations state-wide)
  - Advanced Technology Development Center (incubator)

- Tech spin-offs
  - Technology Park
  - Scientific Atlanta
  - The Portman Companies
  - Healthdyne
  - AppleSouth

- Citations
  
  - "Surveyed executives ranked Atlanta high, but education levels and quality of the work force helped keep it just out of the top 10. Creative programs like those run at Georgia Tech give business a look at scientific advances."
    
    Fortune

  - "(Georgia Tech)... certainly was one of the main reasons we decided on Georgia."
    
    Terry Collins, plant manager, Evenflo

  - "The textile industry, Georgia's largest manufacturing employer, relies heavily on Georgia Tech's engineering expertise to develop manufacturing processes and products that ensure it will remain globally competitive."
    
    Roy Bowen, executive vice president
    
    Georgia Textile Manufacturers Association

  - "The work performed at GTRI (Georgia Tech) is forming the building blocks of basic understanding from which we can engineer the improvement of our vehicles' sound quality."
    
    William Quinlan, manager of Aerodynamics
    
    Design Engineering, Ford Motor Company