2001 State of the Institute

Shaping Futures Through Innovation

Georgia Institute of Technology
Students Continue to Excel

- Truman Scholar: Will Roper
- Marshall Scholar: Karen Feigh
- 2 Goldwater Scholars: Patrick T. Biltgen and Danielle L. Dees
- Sara Cames named one of two student interns for U.S. Chief Justice William Rehnquist
- Team of management, engineering, computing majors took first in the Nortel Networks International Undergraduate Case Competition in Ottawa.
Athletes Shine

More men’s and women’s teams competed in NCAA tournaments.

Club sports grab national spotlight: ice hockey, kayaking, crew
Georgia Tech No. 1 in Graduating African American Engineers

Black Issues in Higher Education
Attracting Quality Undergraduates

Freshman Applications

Freshman SAT Score
Quality of Graduate Students Also Rises

Applications

GRE Scores
Fall Enrollment Hits Record High

- Total
- Undergrad
- Graduate

Enrolled at GT sites off campus

'92 '93 '94 '95 '96 '97 '98 '99 '00 '01

100 484
Faculty Grows, Too

'91 '92 '93 '94 '95 '96 '97 '98 '99 '00 '01
New Senior Faculty Raise Caliber

William B. Rouse Stewart School Chair, ISyE

William J. Koros Goizueta Chair in ChE

Thomas Lux Bourne Chair in Poetry, IAC

Willie Pearson Jr. Chair of History, Technology & Society, IAC

Marie Thursby Smith Small Business Chair, DCOM
Faculty Awards

- Elected to NAE: Bruce Ellingwood, CEE
- Irving Langmuir Award in Chemical Physics: Mostafa El-Sayed, Chem/Biochem
- Norman Medal, American Society of Civil Engineers: Roberto Leon, CEE
- Belgian Royal Academy Prix Auguste Sacre, 1994-2000: Oliver Bauchau, AE
- Fulbright Awards: Carol Colatrella, IAC Greg Nobles, IAC
- Sloan Research Fellows: Beth Mynatt, Computing Dana Randall, Computing Robert Dickson, Chemistry
New Leaders Bring Fresh Vision

Jean-Lou Chameau
Provost

Richard W. Meyer
Dean of Libraries

April Brown
Executive Assistant to the President
Research Expenditures
(in millions)
Annual Giving: Cash Receipts

(in millions)
Under Construction

Environmental Science and Technology Building
Midtown Park
Chandler Baseball Stadium
Life Sciences/Technology Complex

- Molecular Design/Technology
- Bioengineering/Bioscience
- Ford Motor Co Environmental Science/Technology
- Whitaker Biomedical Engineering
In Design

- Technology Square
- Olympic Recreation Center
- Bobby Dodd Stadium
- Whitaker Biomedical Engineering Bldg
- Klaus Advanced Computing Technology Bldg
- GTREP Building, Savannah campus
Expanded Outreach
Expanded Outreach

Technology Square
Midtown Park

Advanced Technology Development Center
“The only way to predict the future is to have the power to shape the future.”

Eric Hoffer
The mission of Georgia Tech reflects a commitment to the state of Georgia to shape futures through innovation in all areas of endeavor.”
Strategic Plan Goals

1. Student-focused education
2. Diverse community
3. Enhanced research enterprise
4. Expanded local, regional, global outreach
5. Intelligent development of effective information and educational technology
6. Supportive, collaborative, effective administrative structure
7. Campus environment to match Institute aspirations
Christyn Magill’s research assignment: study replacement tissues for articular cartilage by designing and building a machine that mimics a joint, then conducting experiments on it. She presents the results of her research this month to the Biomedical Engineering Society.
A Building With Vision

- Experiential, technological labs and classrooms for core science classes.
- Information Commons with electronic access to library, instructional resources.
- Hub of academic support services for undergraduates.
- Center of educational innovation and improvement of teaching skills for faculty and teaching assistants.
Student-focused Education

Student Leadership Initiative

“The first responsibility of a leader is to define reality. The last is to say thank you. In between, the leader is a servant.”

Max DePree
The Art of Leadership

Dr. Arnold F. Stancell
Turner Servant Leadership Chair
Student-focused Education
Midterm Progress Report
Georgia Tech’s Global Reach
Strategic Plan Goals

• Strategic permanent international platforms for defining an international agenda and fostering an entrepreneurial climate
• 50% of students study abroad
• Global research initiatives that leverage Tech’s multidisciplinary strengths and working relationships with other institutions
• International incubators using ATDC as a model
• Global Learning Center
“New knowledge is a powerful driver of economic prosperity and a force for human progress. That makes new knowledge the most sought after prize in the world.”

Rita Colwell, Director
National Science Foundation
Enhanced Research Enterprise

Areas of Opportunity

• Biotechnology
• Nanoscience and nanotechnology
• Advanced communications
• Global technopreneurship
• Sustainable technology
• Emergency response
Strategic Plan Goals

- Stay in top 5 in research base with industry
- Innovative, interdisciplinary facilities
- Seek opportunities for collaboration within GT and with other universities and labs
- Influence technology policy at all levels
- Develop policies for intellectual property, commercialism, entrepreneurism

Enhanced Research Enterprise