“Life is a petty thing unless it is moved by the indomitable urge to extend its boundaries.”

José Ortega Y Gasset
Invitation to Understanding 1925
Georgia Tech will define the technological research university of the 21st century and educate the leaders of a technologically driven world.
"The classroom with all its limitations remains a location of possibility. In that field of possibility we have the opportunity to labor for freedom, to demand of ourselves and our comrades an openness of mind and heart that allows us to face reality even as we collectively imagine ways to move beyond boundaries."

bell hooks
Teaching to Transgress 1994
Transforming the learning environment

- Online learning comes alive
  - Horizon Wimba Live Classroom for languages
  - Halo technology
- Library East and West Commons: 2007 Excellence in Academic Libraries Award
- Sophomore Experience in the North Avenue Apartments

Live environment, real-time interaction

East Commons
A uniquely diverse community

🌍 Economically diverse: Georgia Tech Promise
- Inaugurated this fall with 200 students
- Average family income: $22,754
- Majority minority

🌍 Ethnically diverse:
- Nation’s No. 1 producer of under-represented minority and female engineers
- Awards 10% of nation’s African-American engineering PhDs

🌍 Culturally diverse: More international students than any other college or university in Georgia
A new breed of graduate who...

- Understands technology.
  Even liberal arts studies are imbued with technology.
- Knows how to ask questions as well as find answers.
  Almost half of undergraduates do structured research for credit.
- Has a sustainability perspective.
  Environmental sustainability pervades the curriculum.
- Is a citizen of the world.
  More than a third of undergraduates study abroad.
- Is prepared for leadership.
  Tech offers a multitude of leadership learning experience in and out of the classroom.
Tech has the “right stuff”

“What the Georgia Tech model recognizes is that the world is increasingly going to be operating off of the flat-world platform, with its tools for all kinds of horizontal collaboration.”

Thomas L. Friedman
The World is Flat
Career Fair draws the usual...

... and the not-so-usual
“As boundaries vanish in science and engineering, entirely new possibilities open up on many horizons.”

Arden Bement
Director, National Science Foundation
An interdisciplinary culture attracts faculty to Georgia Tech

Jay Bolter has advanced degrees in the classics and computer science.

The photonics group merges science with engineering.

Mostafa El-Sayed began the Laser Dynamics Lab
Focus on energy

Tiny nanogenerator harvests energy from environmental sources like ultrasonic waves, mechanical vibrations, or blood flow.

New nanoparticle film may make energy storage in devices like cell phones more effective.

3-D solar cell captures almost all light that strikes it.

Southern pine, switchgrass

Biofuel sources
Energy – sustainability – climate change

Carbon capture and sequestration to minimize CO₂ emissions

Solar house takes shape

Impact of global warming

Marilyn Brown
Transforming healthcare

3 NIH Nanomedicine Centers:
- Cardiovascular
- Cancer
- DNA and RNA repair

Modeling an optimal heart surgery plan

Designer drugs based on the human genome

Electronic health systems
Technology meets the arts

Living Game Worlds III: Playing with Reality was simulcast in Second Life

Professors Janet Murray, Ian Bogost

Flora Electronica: A real-time electronic media performance garden

Participating in music composition online
“In strategy it is important to see distant things as if they were close, and to take a distanced view of close things.”

Miyamoto Musashi
17th century Japanese samuri
A truly global university

- Takes typical international programs to a higher level and includes science and engineering.
- Builds strategic international research and education platforms that are interconnected with the activities of the home campus.
- Stimulates economic development and works on policy issues in a global context.
- Links to the highest levels of government in multiple international locations.
Hosting global leaders

**France:**
Catherine Bréchignac
President, Centre National de la Recherché
Christine Lagarde
Minister for Foreign Trade

**Ireland:**
Mary McAleese, President

**North Korea:**
Kim Myung Gil, Deputy UN Ambassador

**Liberia:**
Ellen Johnson-Sirleaf, President
Addressing global environmental issues

Mark Hay, Julia Kubanek in Fiji

Hermann Fritz in Java

Peter Webster in Bangladesh

Engineering Students Without Borders in Los Lima, Honduras
Students head abroad

John LeTourneau, Venice
Travis Mitchell, Melbourne
Beijing/Singapore Summer Program, Inner Mongolia
Summer Program, Georgia Tech Lorraine
An international flavor at home

Multi-disciplinary studies through the Korea Initiative

Paul Simon Award for internationalizing our campus

International House immerses students in a multi-cultural residential community.

Karan Chopra
2007 International Student Leader of the Year
RoboCup 2007

- 300 teams from 37 nations
- Competitions:
  - 4-legged and humanoid soccer
  - Search-and-rescue
  - Microscopic robots
- 450 media hits, 10 major story placements
“To do more for the world than the world does for you – that is success.”

Henry Ford
Founder, Ford Motor Company
Transforming Midtown

From this… … to this
Students reach out

Campus Christian Fellowship, MOVE, AASU and GTSBE organize work trips to the Gulf Coast.

TEAM Buzz celebrated its 10th anniversary.

Sympathy, solidarity with Virginia Tech

IFC Habitat for Humanity House
Five campuses on three continents

Atlanta

Savannah

Singapore

France

Ireland

One Georgia Tech
“Knowledge for the sake of understanding, not merely to prevail, that is the essence of our being. None can define its limits or set its ultimate boundaries.”

Vannevar Bush
The Search for Understanding 1967