



# Lucent Technologies, Inc.

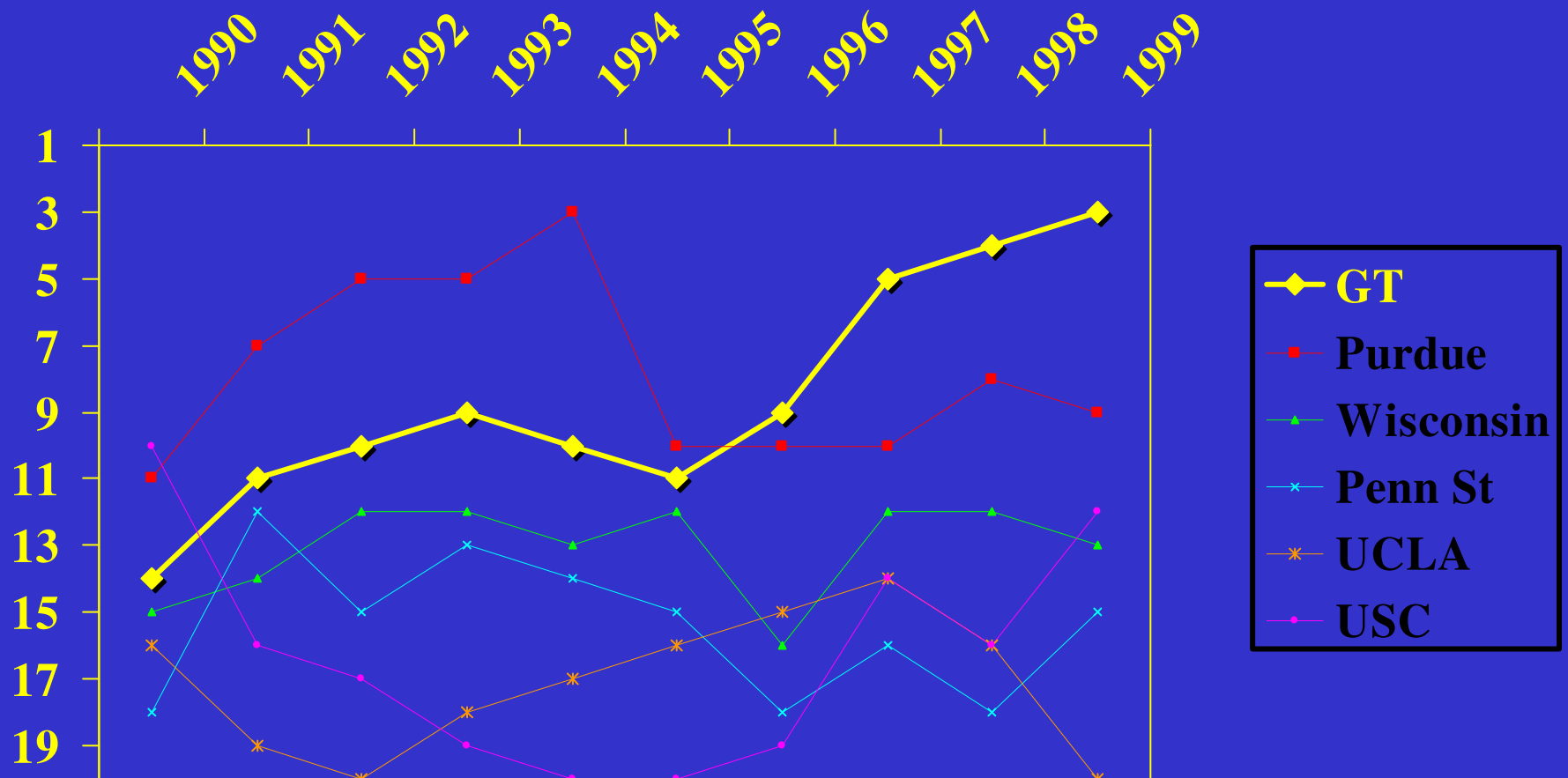
Dr. G. Wayne Clough  
President, Georgia Institute of Technology  
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# Georgia Institute of Technology

- Created in 1885 by the state legislature
- Member, University System of Georgia
- 6 colleges: engineering, sciences, computing, architecture, management and public policy
- Carnegie I research institution; research locations in Atlanta, Savannah, Huntsville, Washington, D.C.

# College of Engineering

## *US News & World Report*



# Other National Rankings

*US News & World Report*

|                              |    |
|------------------------------|----|
| College of Computing         | 13 |
| Graphics Interface           | 4  |
| College of Architecture      | 15 |
| DuPree College of Management | 33 |
| Nonlinear Dynamics/Chaos     | 5  |
| Public Policy (Technology)   | 3  |

# Students

- 14,000 students: 10,300 undergraduates, 3,700 graduate students
- 2nd among public universities in National Merit Scholars
- 4th among public universities in National Achievement Scholars
- Average freshman SAT is about 1300
- Largest voluntary cooperative program in the nation

# Faculty

- Total faculty and staff: 4,100
  - Academic faculty: 800
  - Research faculty: 1,780
- Endowed chairs: 55
- Over the past decade:
  - minorities from 12% to 20% of faculty
  - women from 7% to 14% of faculty
  - 2 of 6 academic deans are women

# Research

- \$255 m in sponsored research
- Georgia Tech Research Institute
- Over 70 interdisciplinary centers
- Last year:
  - 23 patents
  - 18 invention licenses
  - 50 software licenses

# Georgia Research Alliance

- \$800 m public-private research partnership
- Three fields of research:
  - Advanced communications (GCATT)
  - Biotechnology
  - Environmental technology
- 32 eminent scholars (including the Lucent Chair in Wireless Systems: Nikki Jyant)



# Major Capital Projects/Plans

- BEM Complex:
  - Biosciences and Bioengineering
  - Environmental Science and Technology
  - Molecular & Materials Science & Engineering
- Advanced Computing Technology Building
- Manufacturing Related Disciplines Complex - Phase II
- Yamacraw Design Center

# Support

- State Appropriations: one-third
- Sponsored operations: one-third
- Remaining third:
  - Tuition and fees
  - Scholarships and fellowships
  - Gifts, grants, endowment income
  - Auxiliary enterprises

# Vision Statement

Georgia Tech will be a leader among those few technological universities whose alumni, faculty, students and staff define, expand and communicate the frontiers of knowledge and innovation. Georgia Tech seeks to create an enriched, more prosperous and sustainable society for the citizens of Georgia, the nation and the world.

# Interdisciplinary Thrusts and Themes

- Advanced communications technology
- Bioengineering and biotechnology
- Sustainable technology
- Manufacturing and logistics
- E-commerce and logistics

# Research Collaborations

- NSF National Center of Excellence for the Engineering of Living Tissues
- Lead institution for Design of Next Generation Semiconductors
- Packaging Research Center
- Molecular Design Institute

# Entrepreneurial, Industrial Orientation

- Ranked 6th in the nation in working with industry
- Advanced Technology Development Center
- DuPre Center for Entrepreneurship and New Venture Development
- Executive Master of Science in Management of Technology

# Policy Leadership

- Information Security Center
- Center for Science, Policy, and Outcomes with Columbia University
- Council on Competitiveness
- NAE initiatives
- Yamacraw Mission (Star\*Core)
- Industries of the Mind, Metro Atlanta Chamber of Commerce

# International Initiatives

- Metz Campus
- European Union Center on campus
- Logistics Institute-Asia: joint program with National University of Singapore
- CIBER



# Reaching out into the Community

- Blurring the line between campus and community (GCATT, North Avenue Research Area, Executive Education Center, Yamacraw)
- Promoting the development of a high-tech community around campus
- 19 economic development offices around Georgia

# Educational Technology

- Virtual campus; computers required for all students
- Technology-based classrooms
- Web-enhanced curriculum
- Internet master's degrees
- Distance learning
- GTREP

# Student-oriented Learning Environment

- 1999 Hesburgh Award for undergraduate teaching
- CETL
- GTA fellows program
- Student-led initiative to promote scholarship in teaching
- Digital First - all courses on the web

# Promoting Diversity

- This year's freshmen:
  - 36% more African Americans
  - 83% more Hispanics
  - 28% more Asian Americans
- Top choice of African Americans nationwide for graduate studies in engineering
- Family-friendly leave policies
- Dual degrees with Atlanta University complex
- EMERGE