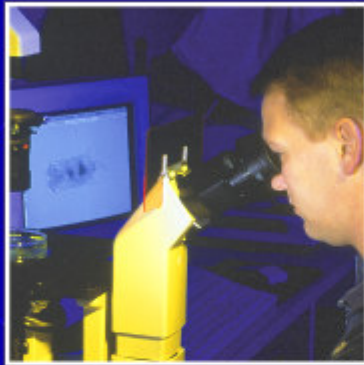


# *2001 State of the Institute*



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

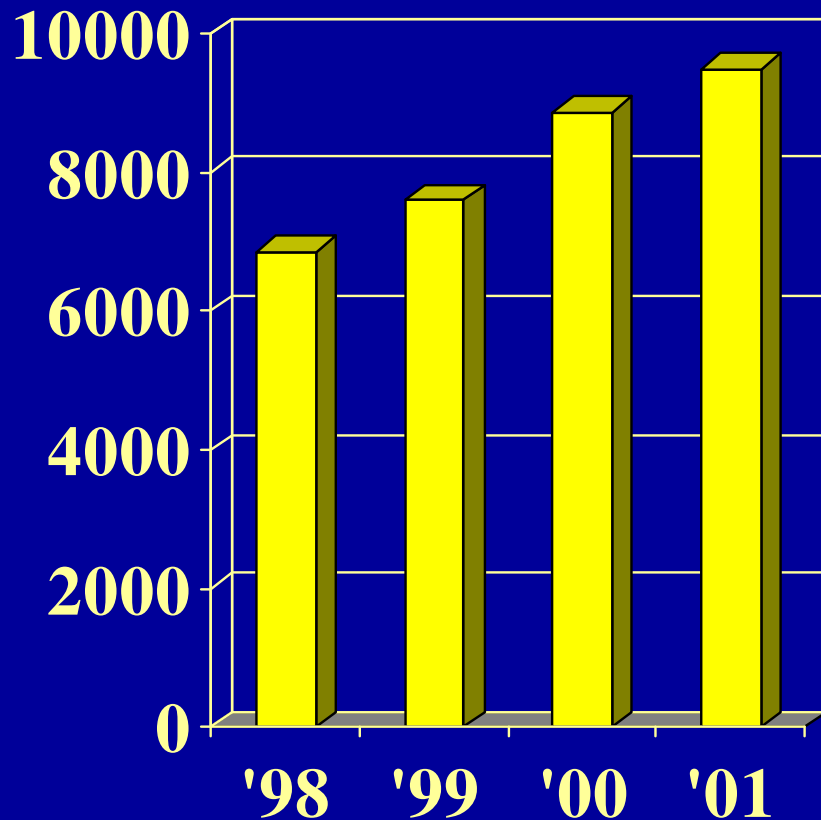


*Black Issues in Higher Education*

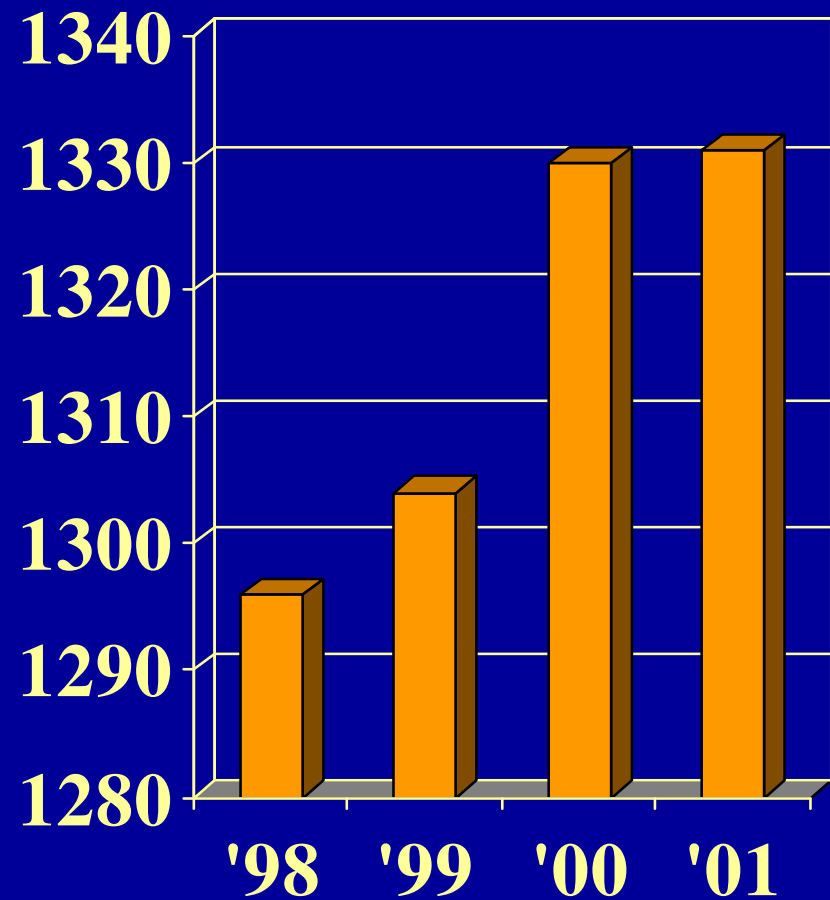


# Attracting Quality Undergraduates

Freshman Applications

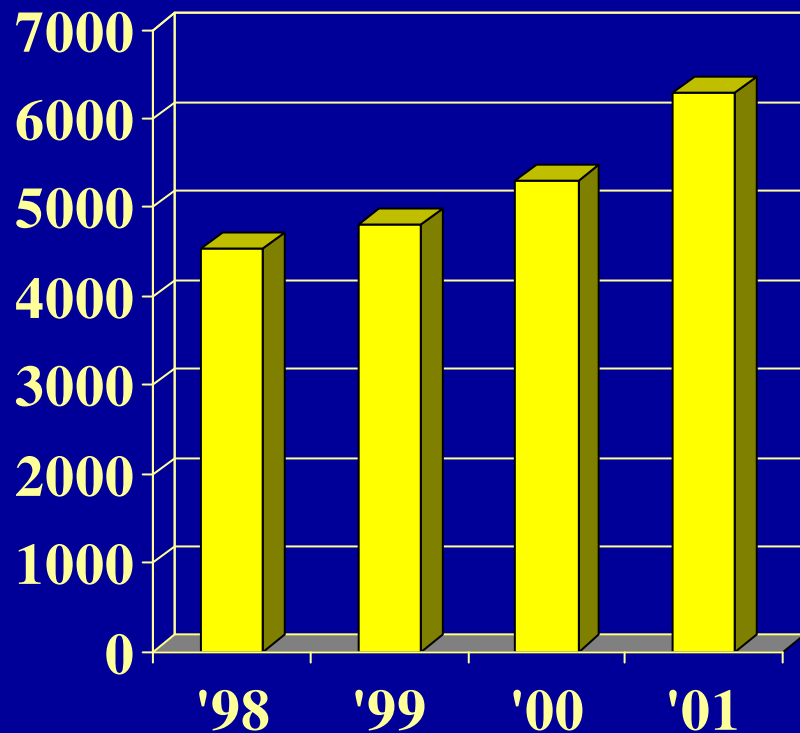


Freshman SAT Score

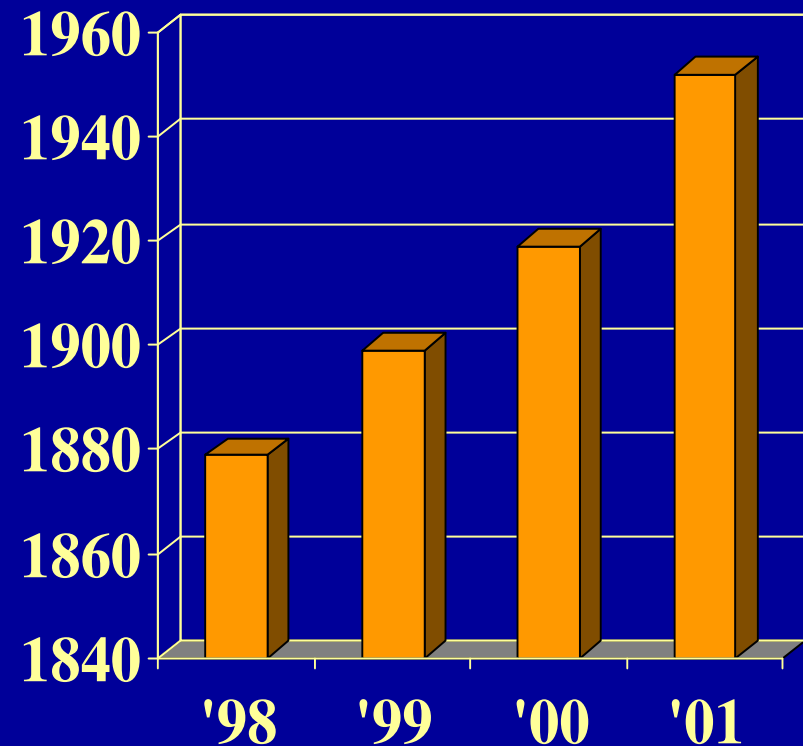


# Quality of Graduate Students Also Rises

Applications



GRE Scores



# Fall Enrollment Hits Record High

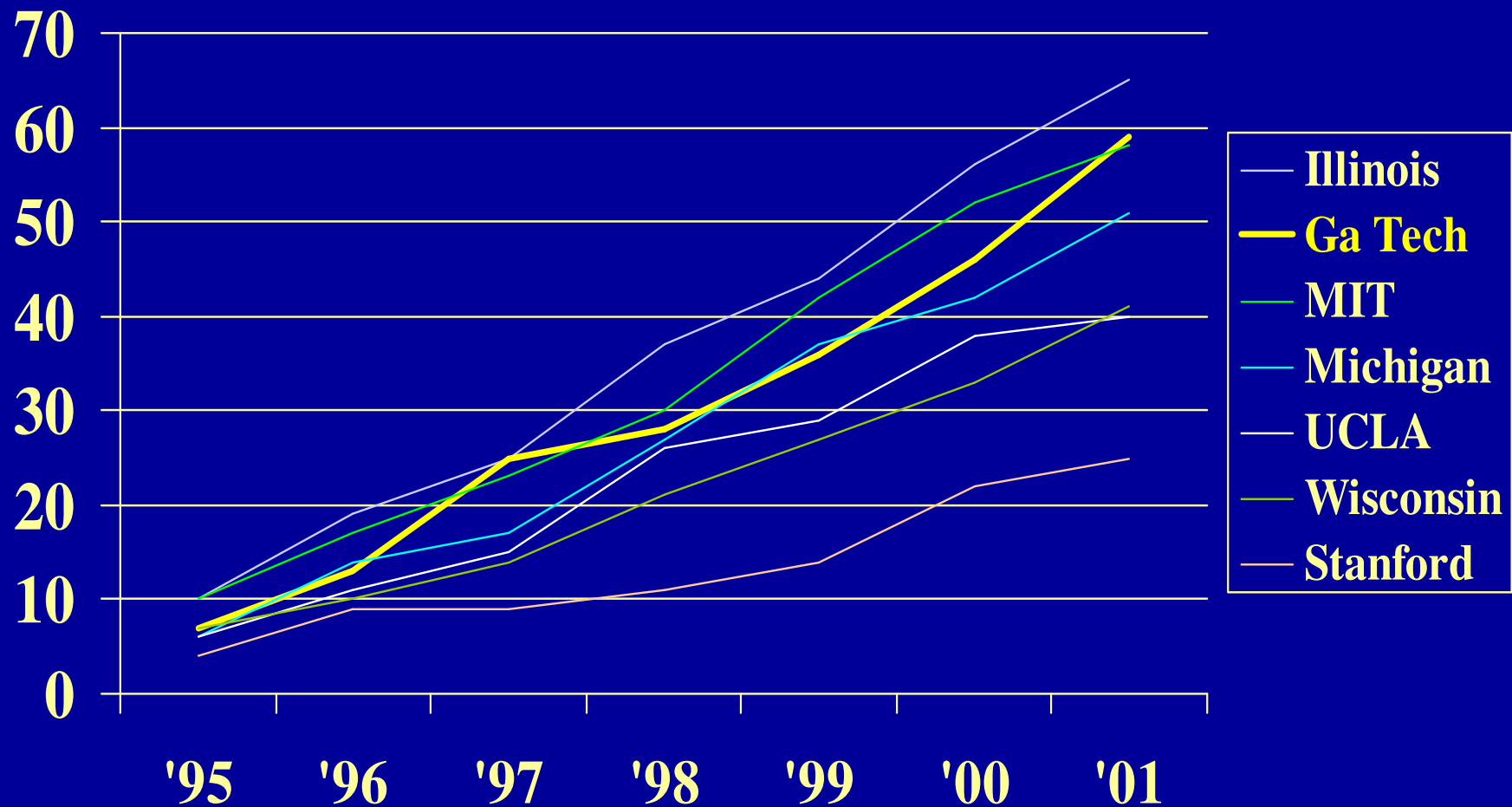




# Faculty Grows, Too



# National Science Foundation CAREER Awards



# 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



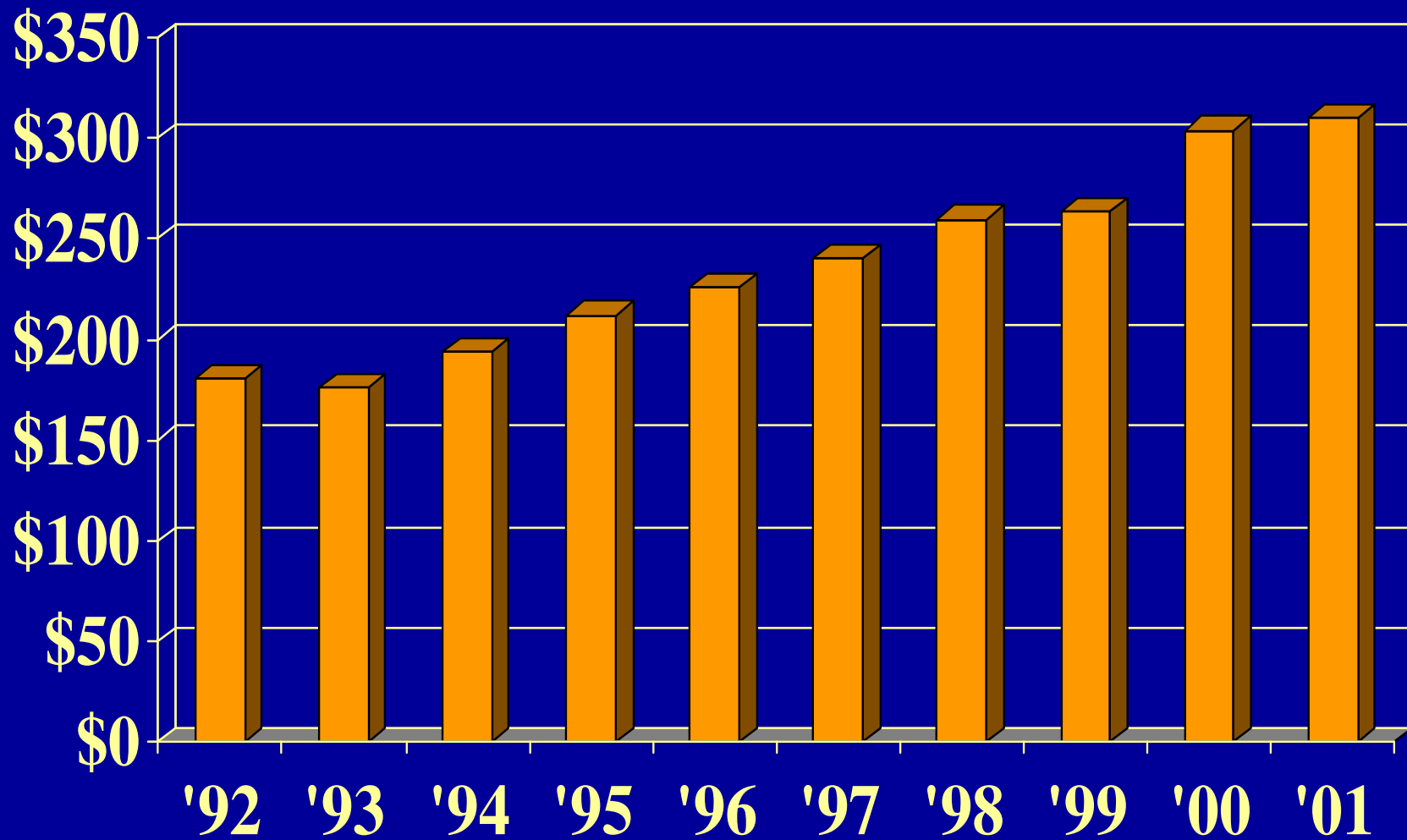
April Brown  
Executive  
Assistant to the  
President



Richard W. Meyer  
Dean of Libraries

# Research Expenditures

(in millions)





# Annual Giving: Cash Receipts

(in millions)

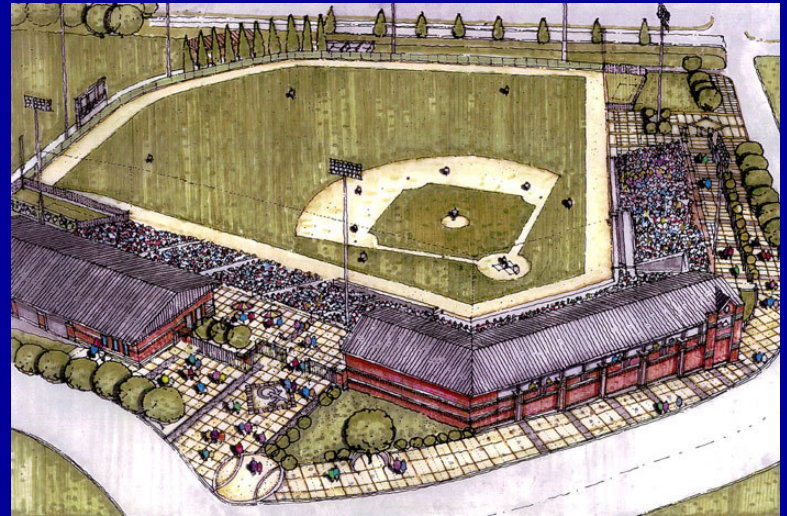


# Under Construction

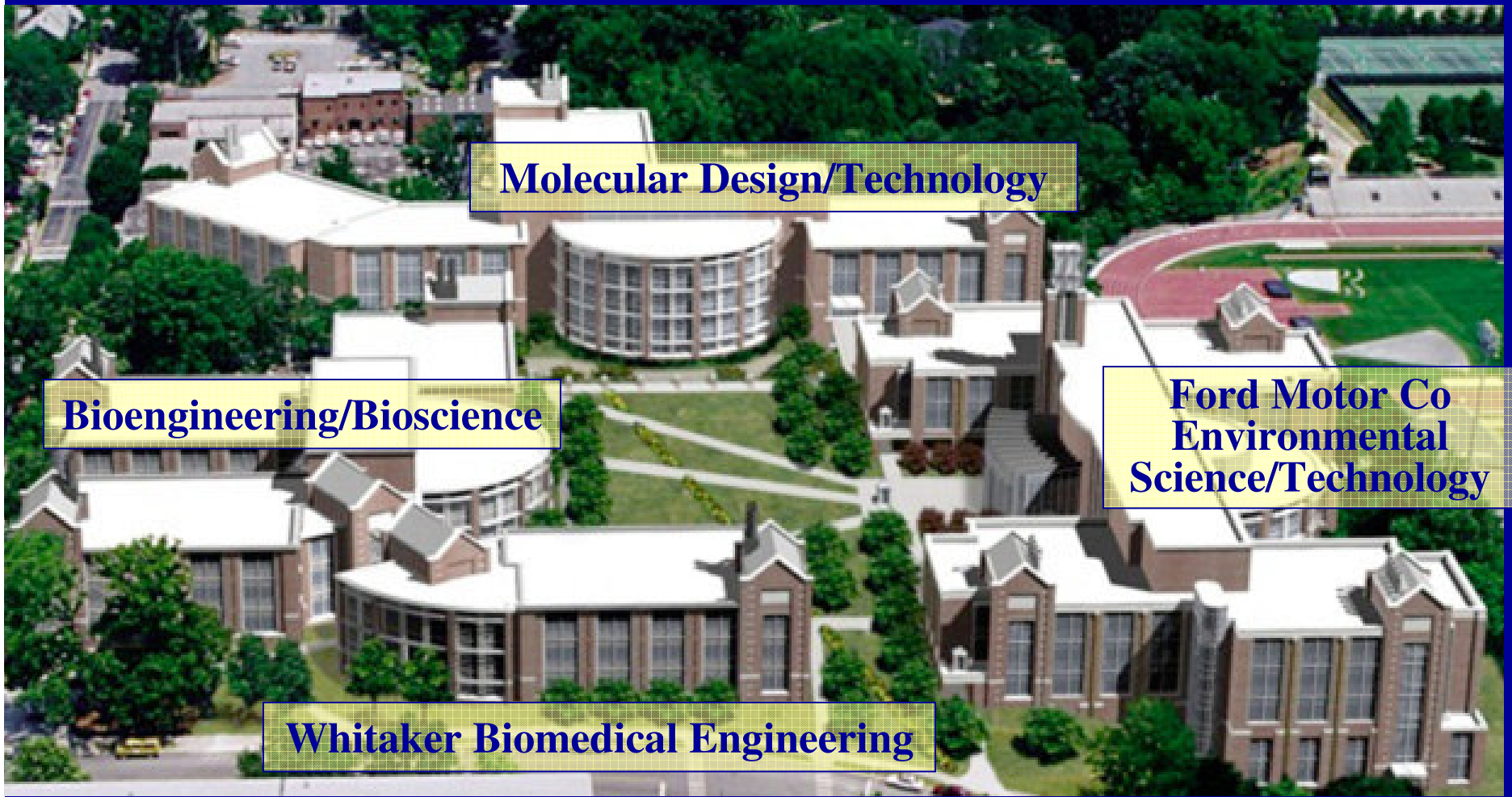
Environmental Science and  
Technology Building

Midtown Park

Chandler Baseball Stadium



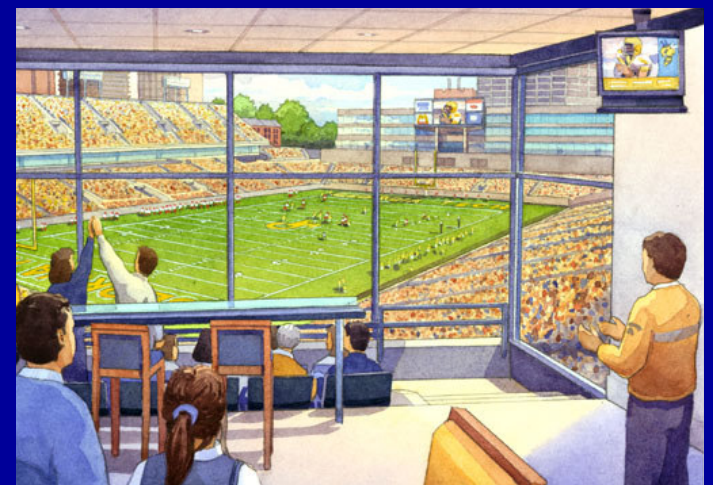
# Life Sciences/Technology Complex



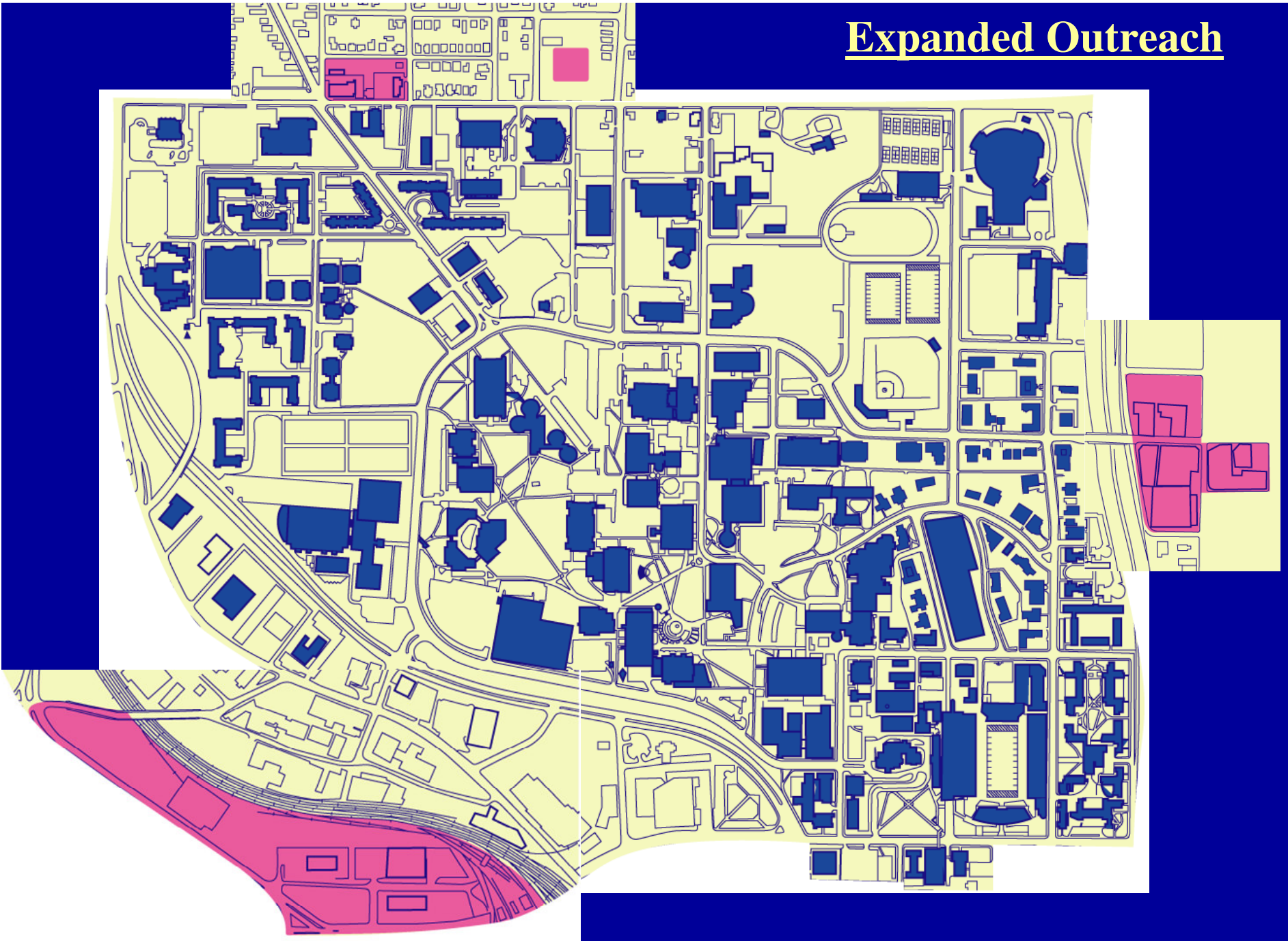


# In Design

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



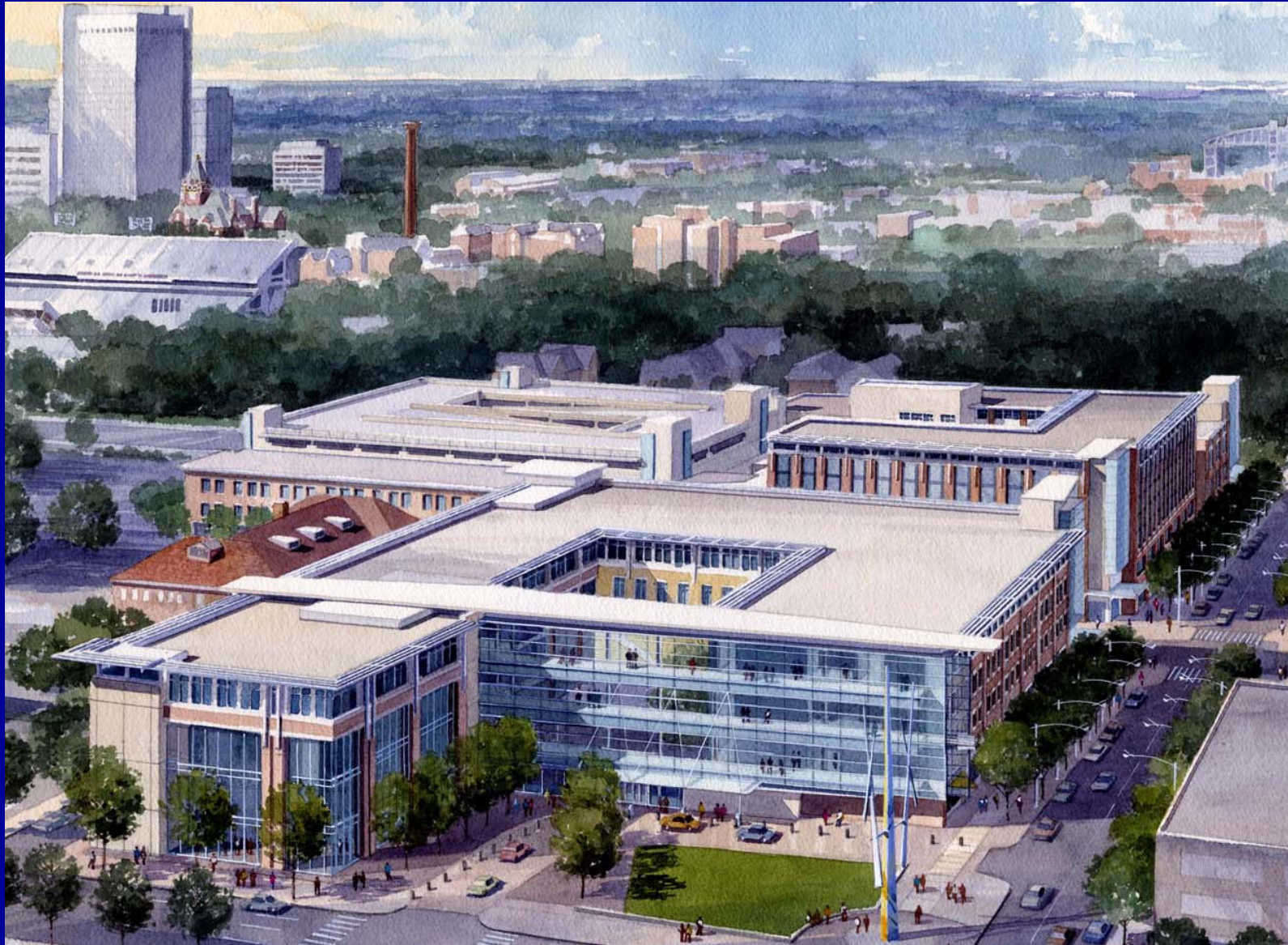
## Expanded Outreach





## 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 Strategic Plan of Georgia Tech

## Defining the Technological University of the 21st Century



“The mission of Georgia Tech reflects a commitment to the state of Georgia to shape futures through innovation in all areas of endeavor.”

**The Strategic Plan**

# 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

## Student-focused Education

# Undergraduate Research Initiative

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.



## Student-focused Education

# A Building With Vision



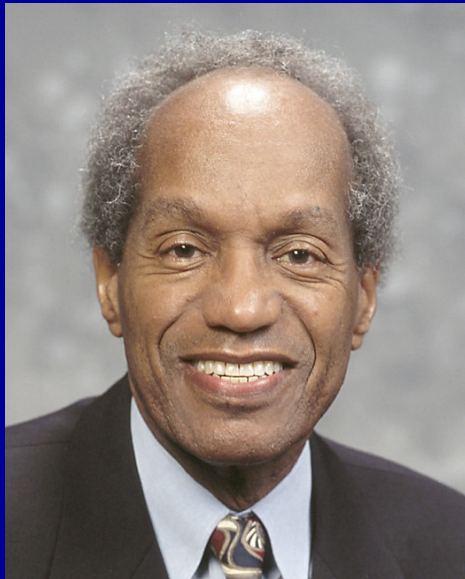
- Experiential, technological labs and classrooms for core science classes.
- Information Commons with electronic access to library, instructional resources.
- Hub of academic support services for undergraduates.
- Center of educational innovation and improvement of teaching skills for faculty and teaching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



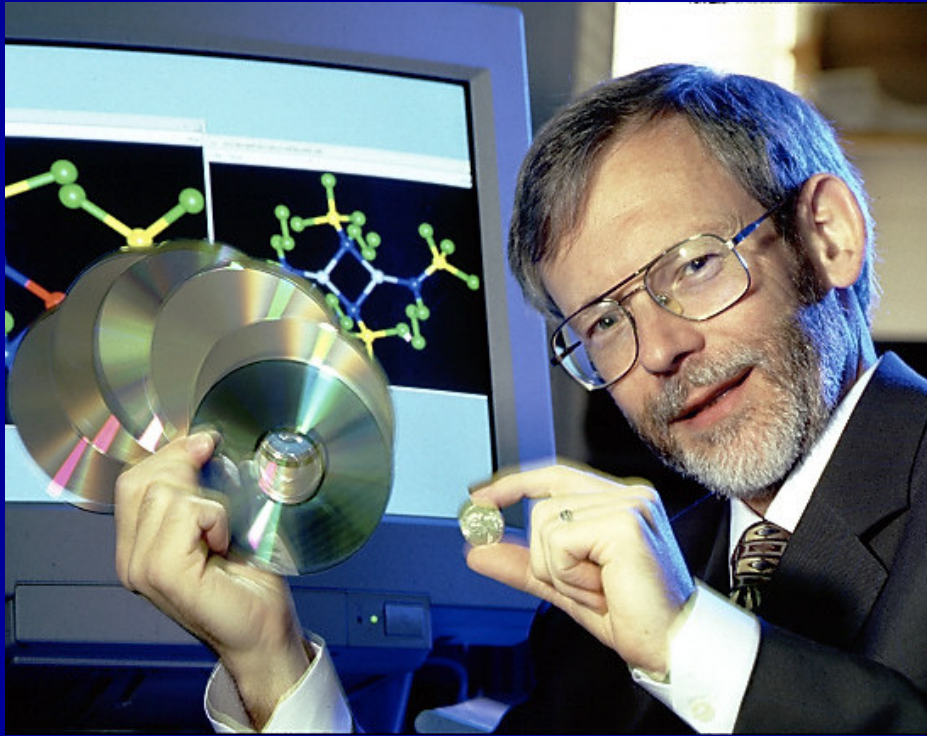
## Internationalism

# 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



## Enhanced Research Enterprise



**William S. Rees**  
**Blue laser research**

“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



## Enhanced Research Enterprise

# 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