Board of Trustees

Institute of Paper Science and Technology

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

October 25, 2001
Institute Overview

• Among the top 50 universities in the nation; top 10 public universities (US News & World Report)
• 15,500 students
  – 11,000 undergraduates
  – 4,500 graduate students
• Graduates most engineers in the nation
• 4,200 employees, 850 academic faculty, 1,300 “general” faculty
• Over $300 m in sponsored research a year, 24 percent of it industry-sponsored
6 Colleges
Architecture
Computing
Engineering
Ivan Allen College
Management
Sciences

9 Engineering Schools
Aerospace
Biomedical
Chemical
Civil & Environmental
Electrical & Computer
Industrial & Systems
Materials Science
Mechanical
Textile & Fiber
Budget for Fiscal Year 2002

$755.4 million

- Sponsored Funds: 30%
- Indirect Cost Recovery: 8%
- Department/Other: 8%
- Auxiliary Services: 7%
- Affiliates: 7%
- State Funding: 29%
- Tuition/Fees: 11%
Outstanding Students

Freshman SAT Scores

Graduate GRE Scores
Outstanding Faculty

National Science Foundation CAREER Awards

- Illinois
- Ga Tech
- MIT
- Michigan
- UCLA
- Wisconsin
- Stanford
Leading Interdisciplinary Research

- Biotechnology
- Nanotechnology
- Sustainable Technology
- Manufacturing
- Advanced Communications
Over 80 Interdisciplinary Centers and Institutes

Some examples –

• Georgia Tech Research Institute (GTRI)
• Reports to the Office of the President
• 800 employees
• $100 million annual research budget
• Self-supporting budget, but facilities owned and maintained by Georgia Tech
• Primary mission research; no teaching expectations
Over 80 Interdisciplinary Centers and Institutes

Some examples –

• Georgia Tech Research Institute (GTRI)
• National Electric Energy Testing, Research & Applications Center (NEETRAC)
• Reports to dean of College of Engineering
• Test facilities, R&D staff of Georgia Power Company Research Center merged into Georgia Tech in 1996
• $4.5 million annual research budget
• 23 researchers, 6 support staff
• Supported by affiliate fees, several fee levels
• Mainly academic faculty, graduate students
Over 80 Interdisciplinary Centers and Institutes

Some examples –

• Georgia Tech Research Institute (GTRI)
• National Electric Energy Testing, Research & Applications Center (NEETRAC)
• Manufacturing Research Center (MARC)
- Reports to Vice Provost for Research
- 20 staff plus 52 faculty associates
- Works with industry partners on projects from 3 months to 3 years in length
- 5 research programs, education program offering graduate-level certificate in manufacturing with international option
- $6 m annual research budget
Over 80 Interdisciplinary Centers and Institutes

Some examples –

• Georgia Tech Research Institute (GTRI)
• National Electric Energy Testing, Research & Applications Center (NEETRAC)
• Manufacturing Research Center (MARC)
• Petit Institute for Bioengineering and Bioscience (IBB)
• Partnership with Emory University
• Home to NSF National Center of Excellence for Tissue Engineering
• 25 researchers; 20 administrative staff; 42 faculty associates
• Research ($10 m a year) and academic degrees
• $11 million endowment
• Industry advisory board; affiliate fees

Reports to Vice Provost for Research
Innovative Facilities

Life Sciences and Technology Complex

Klaus Advanced Computing Technology

Technology Square
An IPST Within Georgia Tech: Opportunities

- Enhanced collaborative research
- Expanded economic development role
- More flexible educational options for students
- Traditional academic home for faculty
- Provides increased opportunity for international outreach
- State support for basic operations
- Reduced cost by elimination of duplicative administrative functions
An IPST Within Georgia Tech: Challenges

• Converting IPST from a culture of small private institution to role as part of large public institution
• Developing the case for merger with Tech faculty
• Insuring paper industry does not lose its enthusiasm for IPST
• Assuming positive early merger experience, ensuring positives hold for the long run
• Securing financial and political support from state
Issues for Discussion

• Academic and advisory issues
  – Integration of IPST faculty
  – Integration of graduate students
  – Role of IPST Board of Trustees
  – Sustaining research funding and interactions with paper industry

• Human resources and administrative integration

• 10th and 14th Street facilities

• Herty Foundation relationship
Financial Considerations

• Continuing financial support by industry
• Future use of endowment funds
• State funding for teaching mission and building operations and maintenance
• Access to equipment and research matching funds
• Savings from elimination of duplication of services
Possible Model for Merger

- IPST becomes one of Georgia Tech’s Institutes
- Reports to the Office of the President
- IPST degree option formalized by BOR
- Faculty absorbed either on tenure track or as research faculty
- Board of Trustees continues in modified role
- Endowment folded into GTF restricted category
Hoops to Jump Through

- Regents acceptance of the idea
- Governor approves merger and commits to increment of funding
- Legislative leaders brought on board and assurances obtained for funding appropriation
- Regents agree to pass on funding increment