

MARC Research Center Overview



MARC Directors

Director

Steven Danyluk, Ph.D.



Associate Directors

Leon McGinnis, Ph.D.

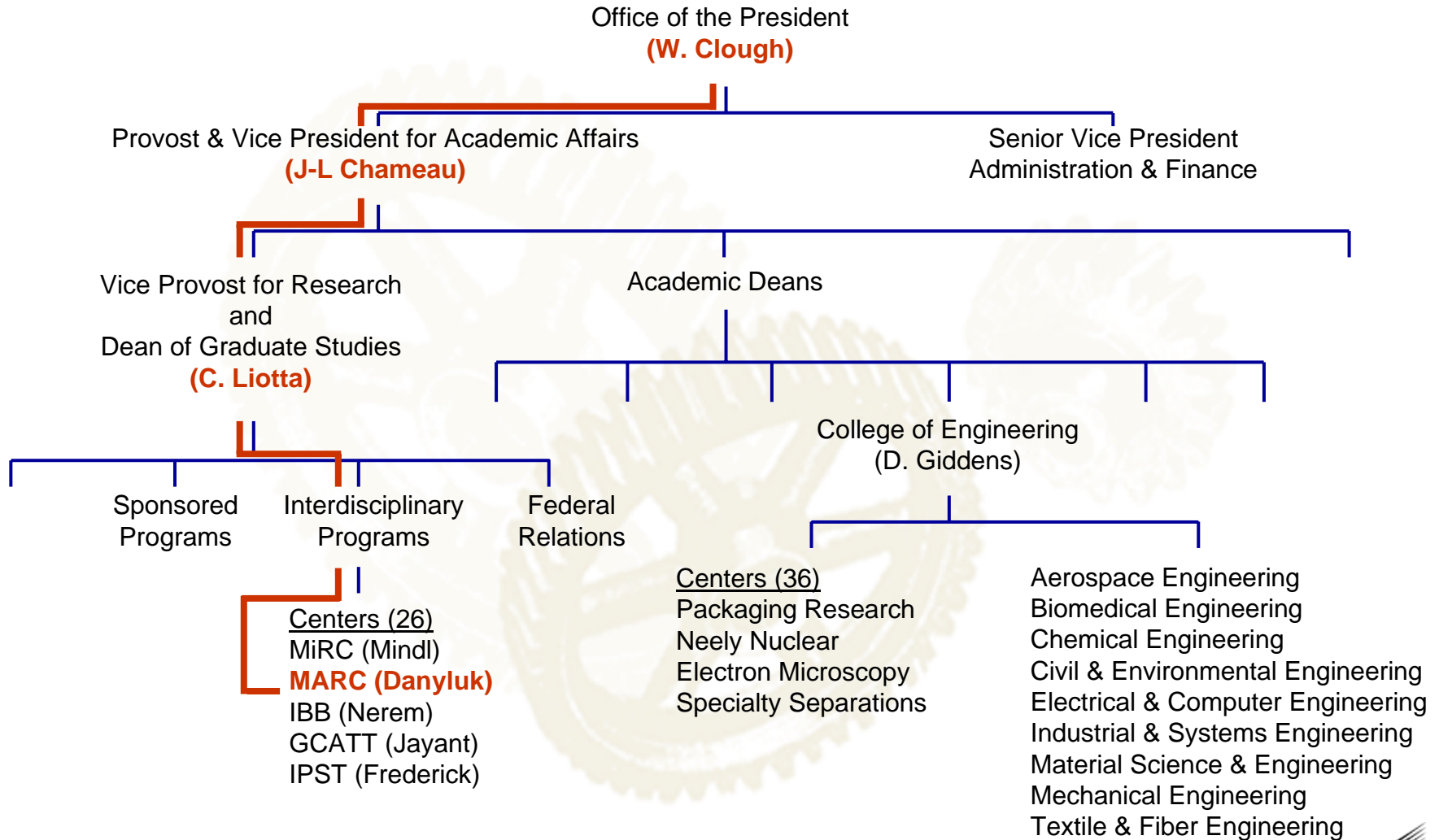


David Taylor, Ph.D.



Steven Liang, Ph.D.

Georgia Tech Organization



Georgia Tech Enrollment (2005)

Undergraduate

Architecture	748
Computing	919
Engineering	6989
Ivan Allen	761
Management	1,168
Sciences	1039
No College Declared	217
Total	11,841

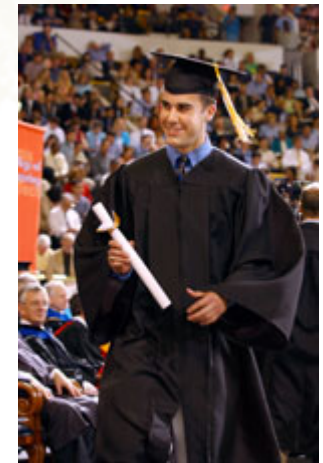
Graduate

Architecture	340
Computing	496
Engineering	3,189
Ivan Allen	260
Management	241
Sciences	768
No College Declared	0
Total	5,294

Degrees Conferred



	<u>Bachelor's</u>	<u>Master's</u>	<u>PhD</u>
<u>Ph.D.</u>			
Architecture	137	105	4
Computing	305	133	25
Engineering	13721	838	250
Ivan Allen	169	82	8
Management	345	140	3
Sciences	184	102	65
Institute Total	2,512	1,400	355



A Short History of GA Tech

1888 - Founded



FACULTY

5 Professors

5 Shop Supervisors

STUDENTS

129 students registered
in Bachelor of Science in
Mechanical Engineering

1893



Oldest Existing Building



1903

John Heisman
became the first
full-time football
coach

1948 - Renamed the Georgia Institute of Technology

Georgia Tech History (cont.)

1952



First women students were enrolled

1996



The Centennial Olympic Summer Games is held in Atlanta. Georgia Tech helps to host the games.

2003 — Graduate School rankings

- 1st Industrial and Systems Engineering
- 3rd Biomedical Engineering
- 4th Aerospace Engineering
- 5th Civil Engineering
- 6th Computer Engineering
- 6th Electrical Engineering
- 7th Mechanical Engineering
- 8th Environmental Engineering



Office of Interdisciplinary Programs

Charles Liotta – Vice Provost for Research
and Dean of Graduate Studies

Centers

Georgia Center for Advanced Telecommunications (GCATT)



Center Director

Nikil Jayant

Manufacturing Research Center (MARC)



Steven Danyluk

Institute for Bioengineering and Biosciences (IBB)



Robert Nerem

Microelectronics Research Center (MiRC)



James Meindl

Institute of Paper Science and Technology (IPST)



Jim Frederick

Manufacturing Research Center



- Multidisciplinary research center focusing on the next generation manufacturing technologies
- World-class facility in manufacturing processes, applications, and technological solutions to manufacturing problems

Manufacturing Research Center



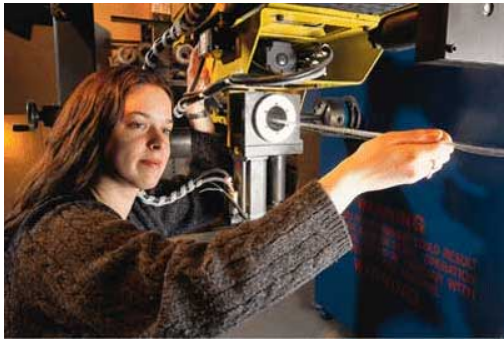
- **Leadership:** Identify high profile opportunities to leverage GT resources by focusing and extending GT capabilities in partnership with industry, to solve important manufacturing problems.
- **Sponsorship:** Respond, as appropriate, to industry inquiries and requests for proposals; initiate new programs.
- **Stewardship:** Manage GT resources allocated for support and development of interdisciplinary manufacturing education, research, and service.

Center Objectives

- Maintain state-of-the-art **laboratory facilities** to support research, education, and technology transfer
- **Partner with companies**, industry consortia, and other external organizations to advance the state-of-the-art in manufacturing
- Provide a **neutral site** for the development and demonstration of novel processing techniques and application-specific tools for manufacturing
- Produce **engineering graduates** with substantial hands-on experience in hardware, software, and systems-level aspects of manufacturing
- Provide **continuing education** opportunities by administering short courses and workshops focused on areas of interest in manufacturing

Manufacturing Research Center

Technical Programs



Facilities/Capabilities



Education Program