

Columbus Presentation

Links between Georgia Tech and Columbus

Regional economic development office in Columbus for almost 20 years

Working on developing incubator for Columbus as we speak that Georgia Tech's ATDC will have a role in running

There are more than 400 Tech alumni living in this area

We have over 100 Columbus area students at Tech today.

Georgia Tech

Home campus located in Midtown Atlanta; also have on site operations in Savannah, Metz, France and Singapore. Have research offices in six other cities as well, including Washington DC, Huntsville Alabama and Dayton Ohio.

Enrollment – 14,500 students; about 10,500 undergrads, 4000 graduate students. The average entering freshman has a combined SAT of 1335 and a high school GPA of 3.8.

We have the largest voluntary cooperative education program in the nation with upwards of 3500 students participating.

We have six colleges, with the three of most interest to this meeting, engineering, computing and science.

Our Engineering College is the largest engineering program in the nation, graduating over 2200 engineers per year. Added to this are about 400 computer science and 300 science graduates per year.

We graduate the largest numbers of women and African American engineers in the nation. Note recent recognition by Black Issues in Higher Education. Other minority enrollments high.

We have about 370 faculty in engineering, 65 in computing and 140 in the sciences. There are over 100 faculty in ECE.

Will grow due to Lamarca.

We are proud of our faculty and they are excellent. NSF CAREER awards now total 60, second nationally.

Our research activities involve over \$300 million in expenditures as reported to NSF which ranks us about 25th in the nation and as one of the top for a university with no medical school. We rank as one of the top three universities in percentage of research we do with industry and this is something we work hard to achieve. In ECE they do over 40% of their research with industry.

In a recent national poll, our tech transfer capabilities were voted as the best in the nation, above MIT and Stanford.

U.S. News and World report cites our college of engineering as among the top five in the nation, and the college's research expenditures ranks only behind MIT in total volume.

U.S. News ranks all nine of our schools within the College of Engineering in the top fifteen. ECE, ME, ChE, and ISYE, ISYE is ranked No 1, ECE and ME are ranked 6th and ChE is ranked 13th.

Important Centers of Excellence - NSF Electronic Packaging Research Center; MiRC houses the Center for the Design of the Next Generation Semiconductor (joint with Stanford, MIT, RPI)

Other interdisciplinary centers – GCATT, Broadband Institute, DSP.

Links with AMD

Research projects

Internships

Coop

Faculty links

Closure

Pleased to be part of the team working on this project. We are well acquainted with such efforts since they fit our strategy as an institution, and our partners have a long history of working together. The programmatic directions of this effort are a perfect match to our own and areas of our strength. Today, we are heavily involved with research related to chip development, but we are limited in not having a manufacturing facility near us. This project would be a major plus for Georgia Tech and its aspirations for the future and AMD would be an ideal corporate partner for us.

Research, coop, Ga. Job Day, plus

**Georgia Tech Links to AMD
Columbus Presentation
June 21, 2001**

Research Activities:

- Two active awards:

Membership in Packaging Research Center for \$160K.

Research project under Madhavan Swaminathan entitled "Design and Analysis of the Power Delivery System for Gigahertz Packages," running from 8/99 – to 8/14/01 for \$104,894.

- AMD is also interested in electron beam small patterns, an area of study in the Micro-Electronics Center (MiRC).

Contacts:

- Professor James Meindl, Director MiRC is knows the present CEO, W. J. Sanders and the CTO, William Siegel
- Professor Meindel has visited AMD a number of times to present invited seminars
- MiRC has one intern at AMD this summer and had one last summer
- No co-op students in AMD currently, but there have been in the past
- 12 GT alums working at AMD, none in high level positions