Endowed Chairs

“World-class programs”
Jack Welch quote: he said this when he visited campus, November 15, 2001

“Endowed chairs to the rescue”
These are all the endowed positions that were filled within the past year. They are not all chairs, and they are not all from the campaign, but they all have endowments that provide resources.

The lefthand column is campaign chairs that were filled within the past year. There are other campaign chairs in ISyE – the Manhattan Associates Chair, for example – but they were not filled within the past year. John Bartholdi assumed the Manhattan Associates Chair in 2000 – an example of retaining mid-career faculty that other universities want to try to lure away.

Left (campaign chairs)
Stewart Chair: Bill Rouse (industry)
Trans & Logistics Chair: Chip White (Michigan)
Anderson-Interface Chair: Stevels (Delft U, Netherlands) visiting, but Bill Rouse hopes to persuade him to stay.
Hunter Chair: Jan Lentra (Eindhoven)

Right (other chairs filled this year)
Russ & Sammie Chandler Chair: William Cook (Princeton)
Coca Cola Chair: Jeff Wu (will come in 2003 from Michigan)*
George Professor: Francois Sainfort (internal)
Edenfield EIR: Kessler (Lockheed Martin) and Boff (Air Force Res. Lab)

*Jeff Wu is a super-star of exceptional caliber, says Rouse. Big enough that a younger colleague named Roshan Joseph is part of the deal – another example of the influence of chairs on attracting “regular” faculty.

“Burst of star power”
2 examples from list on prior slide of the synergy you can get from a group of chairs:
Bill Rouse holds the Stewart School Chair. Came from industry; prior to 10 years in industry had illustrious career in academia.
Chip White holds the Transportation and Logistics Chair. Came from Michigan. (FYI, was originally the Georgia Freight Bureau chair based on a campaign pledge from the GFB, then GFB disbanded without funding it.)
These two guys have extensive industry connections and are very industry-oriented in their work.
**William Cook** (top pic) holds the Russ and Sammie Chandler Chair. Came from Princeton.

**Jan Lenstra** holds the John P. Hunter Chair. Came from Eindhoven in the Netherlands.

**Karen Aardal** is Lenstra’s wife and an associate professor who came as part of the deal. She is an expert in production planning and facilities location.

These three coordinated the negotiation of their contracts. Cook and Lenstra are among the top 5 in the world in their field, and came to Georgia Tech because of the chance to work together at the same university and coordinate the resources their chairs provide. They are more theoretical than Rouse and White, and specialize in solving huge logistical problems.

**Graduate Fellows**

“Who is our competition?”

Why students choose GT from among all of these outstanding universities:

1. Growing perception that GT has improved and is now one of the best universities for graduate education in engineering and science.
2. Excellent faculty.
3. New physical facilities are impressive; modern and relevant research labs are important.
4. The excitement you get from a thriving intellectual community.

Why students choose to attend another university:

1. “Halo” effect – MIT, Stanford, Berkeley and the like have had a reputation for excellent graduate education longer than we have and a 10-15 year head-start on us in some of the important interdisciplinary research areas of today. We have pretty much caught up, but our reputation is not yet as well established.
2. Incentives (fellowships, health care, housing)
3. Sometimes they click personally with a faculty advisor somewhere else.

“Institute and Presidential Fellows”

These are “topping” fellowships – the base funding, such as a graduate research assistantship, is provided by the academic unit, then the Institute or Presidential Fellowship comes on top of that as a supplement. This provides a balance of commitment and incentives from the academic unit and the Institute.

“Institute Fellow: Catherine Reyes”

Catherine is an Institute Fellow in biomedical engineering. She got her bachelor’s from MIT, and was ready to move to a new setting, but was used to the kind of incentives and excellence MIT provides. She applied to a number of universities. What she found appealing about Georgia Tech was the environment of both the Institute and the School of Biomedical Engineering. The BME program was designed to be interdisciplinary, and not two older, established programs that had been stuck together. She also found an excitement in the newness of the program – its new building, its younger faculty, its sense of entrepreneurship. She had a
positive impression of Georgia Tech, but her Institute Fellowship was what completed the picture and made her decide to come here.

“Institute Fellow: Mark Meacham”

Mark just arrived at Georgia Tech this semester. He was completing a master’s degree in ME at Iowa State University when he received an NSF Fellowship to work on his PhD. (In this case, the initial financial base to which his Fellowship was added came from outside Georgia Tech – he brought money in with him.) He applied to Georgia Tech, Stanford, MIT, UC Berkeley, Cal Tech and UCLA, and he visited all these schools. The decision came down to Georgia Tech and Stanford – the schools where he liked the atmosphere and environment best. He was recruited heavily by Stanford, but the Institute Fellowship tipped the balance in favor of Georgia Tech.

* Both of these students say they would like to go into private industry after completing their PhD, and Mark might like to try his hand at starting his own company. But both also say they could be tempted into academia if the right opportunity came along.

PRESIDENTIAL FELLOWSHIP ALUMNI (Institute Fellowship is too new for alumni) are becoming industry leaders in Atlanta and elsewhere:

- Robert Geiger: chief information officer at NuBridges in Alpharetta, Ga
- Ron Roth: vice president of engineering, HV Technologies, Trenton, Ga
- Harris Bergman: one of David Ku’s start-up companies
- Michael Schreiber: DVT Technologies, Norcross, GA
- Randy Sheffield: running a Schlumberger unit in Scotland
- Kennon Guggielmo: president, Econtrols, San Antonio, Tex
- Paul Lomangino: chief technology officer, Zelina Design Group, Palo Alto, Cal
- John M. Siegel: director of commercial bioinformatics, Invitrogen Corp, Huntsville, Ala
- Robert Coneybeer: general partner, NEA (venture capital firm), Menlo Park, Cal
- At one time had 5 former Presidential Fellows at Lucent (then called OFS Technologies)