

New Chair of Biological and Environmental Engineering



Beth Ahner
Professor and Chair, BEE

- Joined Cornell in 1996
- Degrees received
 - Ph.D., Civil and Environmental Engineering, MIT, 1994
 - B.S., Civil and Environmental Engineering, MIT, 1989
- Focus – Biochemical responses to trace metal stress in the environment

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Interim Associate Dean of Administration



Julie Delay
Interim Associate Dean of Administration
Director of Human Resources
College of Engineering and
Computing and Information Science

- Joined Cornell in 1990
- Degrees received
 - MILR, Industrial and Labor Relations, Cornell, 1995
 - B.S., Management Science, SUNY Geneseo, 1988
- Former administrative director of Materials Science and Engineering
- 10 years in Architecture Art & Planning in financial and HR roles

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National Academy of Engineering



Christine Shoemaker
Joseph P. Ripley Professor
of Engineering
Elected NAE 2012

- Cited “for development of decision-making optimization algorithms for environmental and water resources problems.”
- Degrees received
 - Ph.D., Mathematics, 1971
 - M.S., Mathematics, 1969
 - B.S., Mathematics, 1966
University of Southern California
- Joined Cornell faculty in 1972.

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Major Faculty Awards

- **Technology Review** magazine Top Technology Innovators under 35
 - Noah Snively (CS)
- **NSF CAREER Awards**
 - Christopher Batten (ECE); Tanzeem Choudhury (IS); Susan Daniel (CBE); Craig Fennie (AEP); Richard Hennig (MSE); Alyosha Molnar (ECE); Richard Robinson (MSE); Noah Snively (CS)
- **Blavatnik Award** (The New York Academy of Sciences and the Blavatnik Family Foundation)
 - Johannes Gehrke (CS)

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Major Faculty Awards

- **Sloan Research Fellowships**
 - Nate Foster (CS)
 - Noah Snively (CS)
- **NASA Chief Technologist**
 - Mason Peck (MAE)
- **Airforce's Young Investigator Research Program**
 - Gregory Fuchs (AEP); Kevin Tang (ECE)
- **Frederick W. Lanchester Prize by INFORMS**
 - Jon Kleinberg (CS)
- **Google Faculty Research Award**
 - Ashutosh Saxena (CS)

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DPE Award

President Obama cites Cornell's Diversity Programs in Engineering with mentoring award



Trey Waller, Rick Allmendinger, Sara Xayarath Hernández and Jami Joyner

2011 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring.

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AguaClara Award

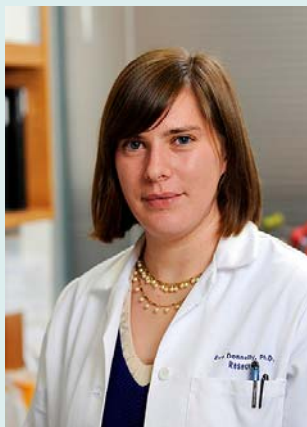
AguaClara honored with Intel Environment award



Jeff Will, M.Eng. '11, and Austin Merboth '11 set up a pilot test of a stacked rapid sand filter in Tamara, an AguaClara-served Honduran community.

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New Hire and Current Searches

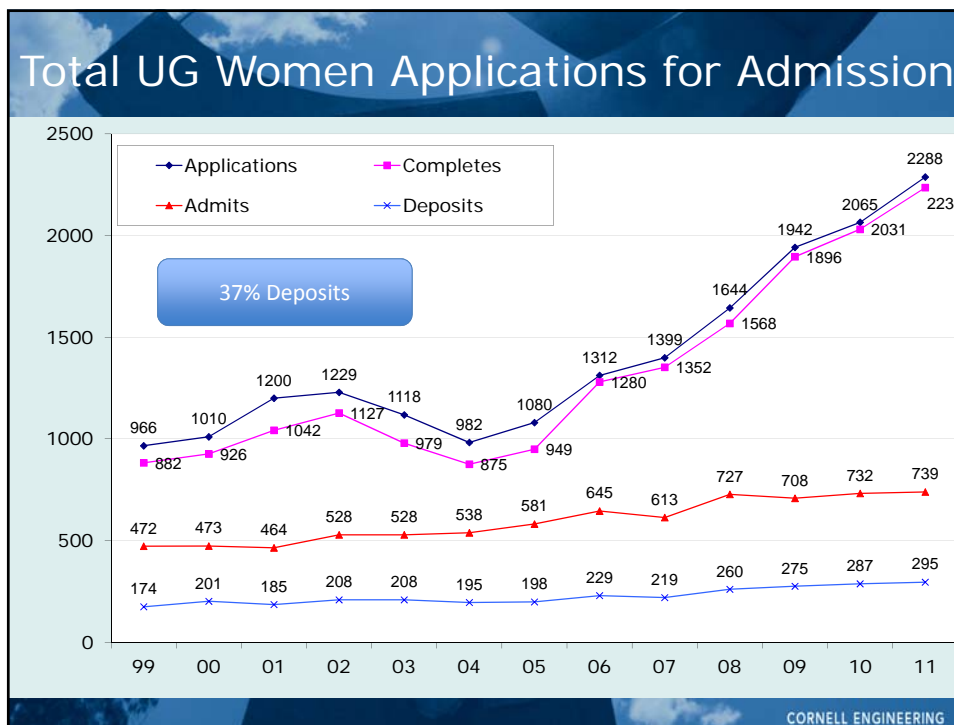
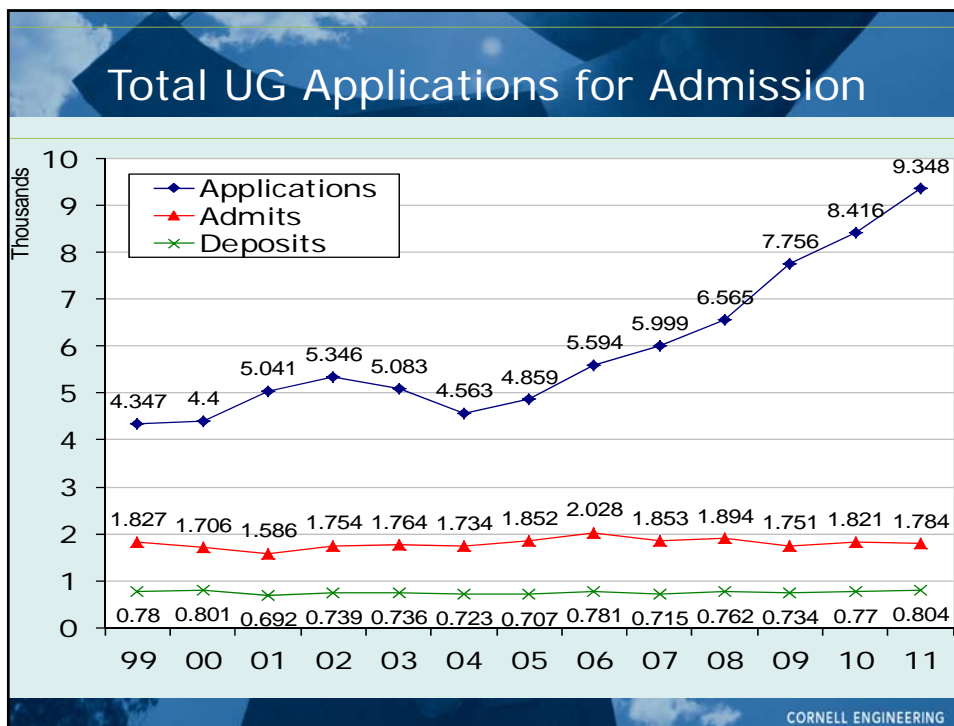


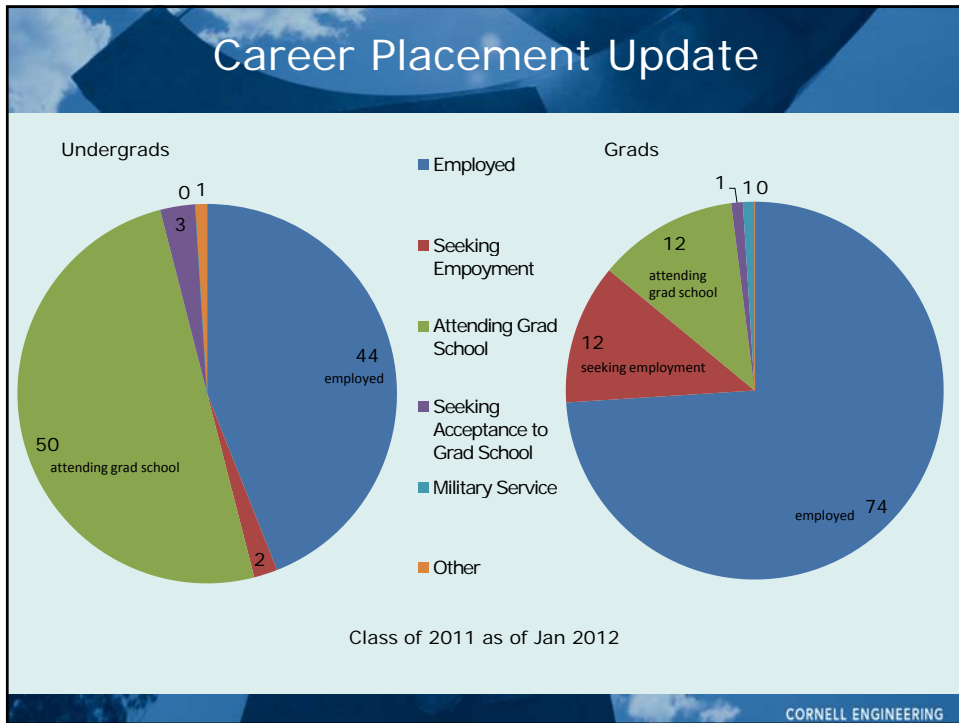
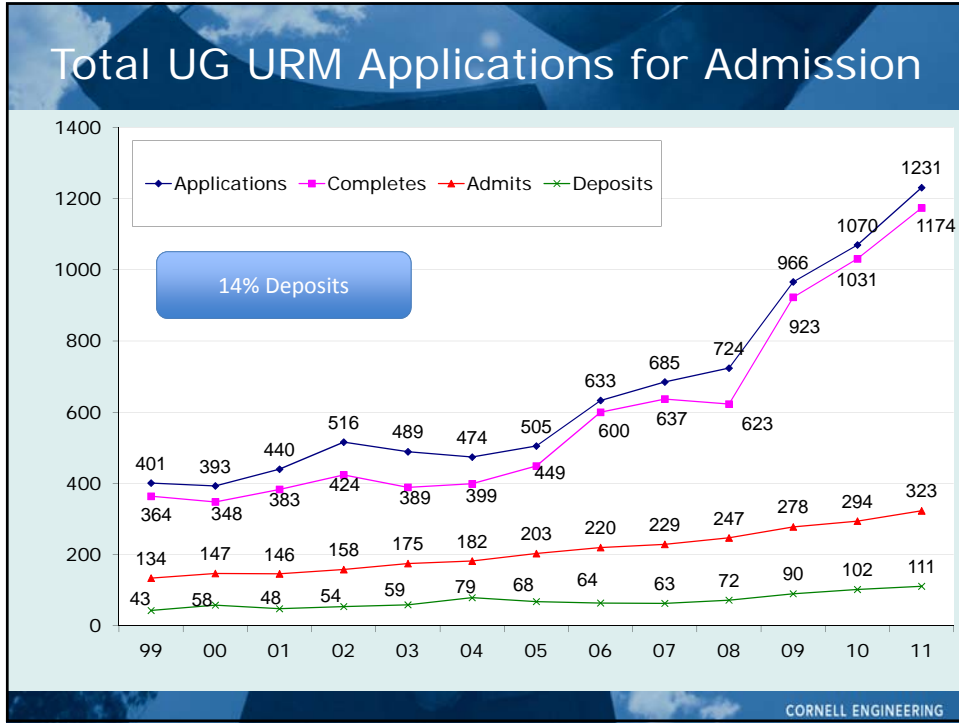
Eve Donnelly
Assistant Professor, MSE

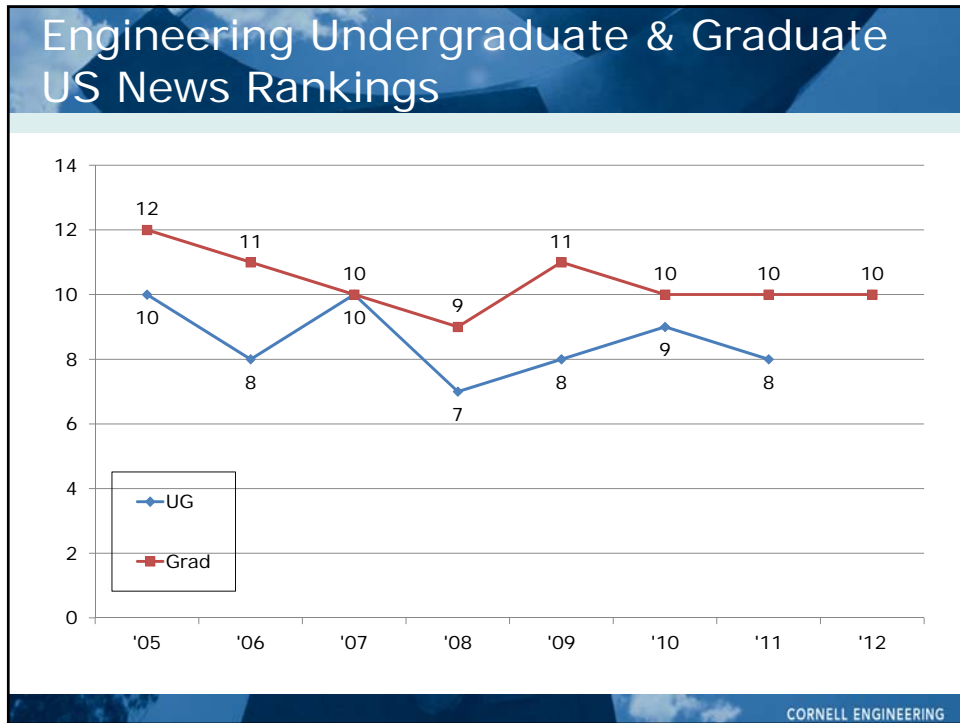
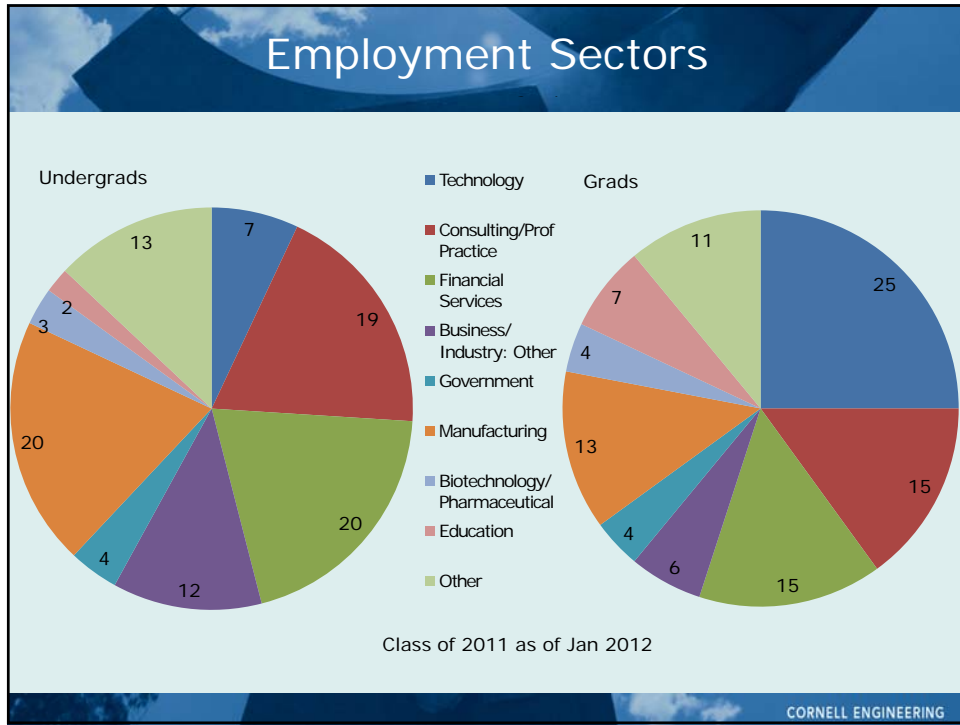
Faculty Searches Underway

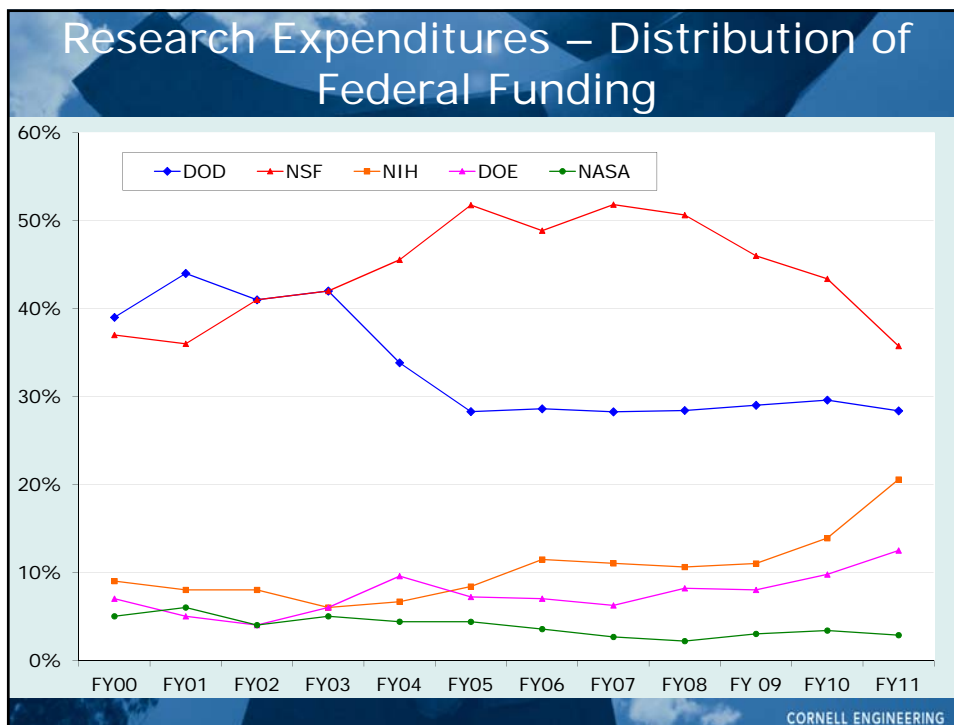
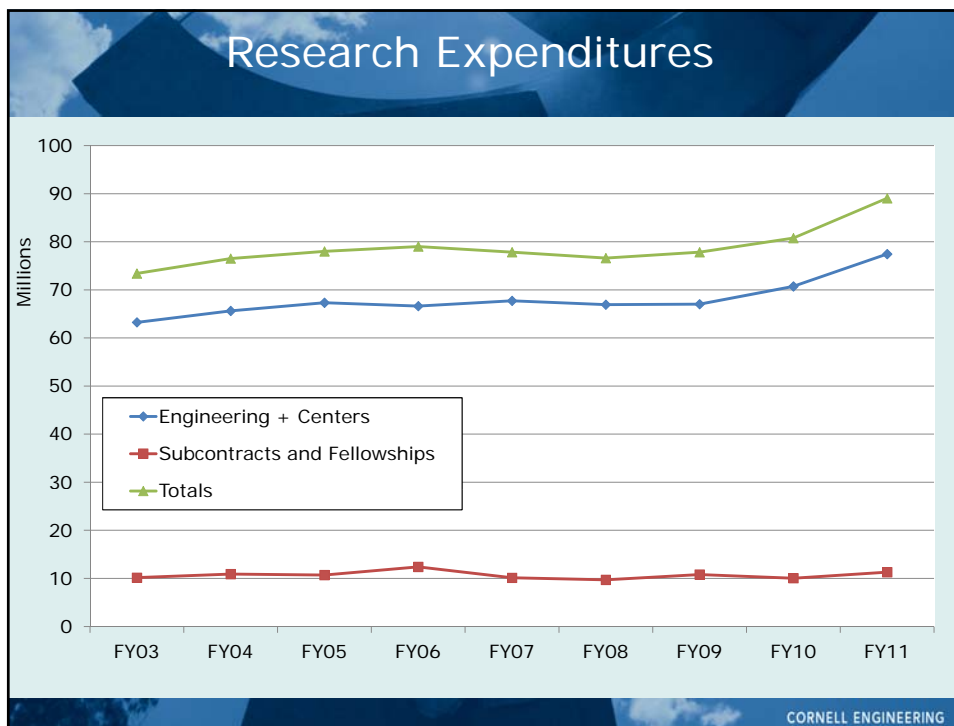
Department	Searches	Status
AEP	1 + 1?	offer pending
BEE	2	1 accept
BME	1	director search
CBE	1	
CEE	3 + 1?	
CS	2	
EAS	1 + 1?	offer pending
ECE	3	
MAE	2 + 1?	
MSE	1	1 offer
ORIE	3	1 accept, 2 offers

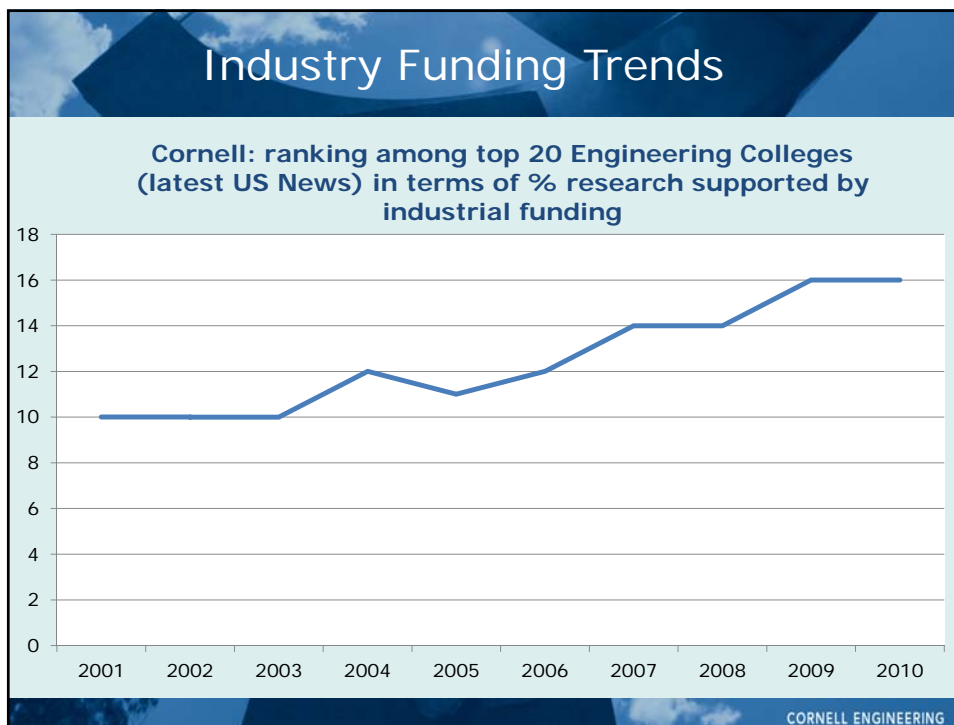
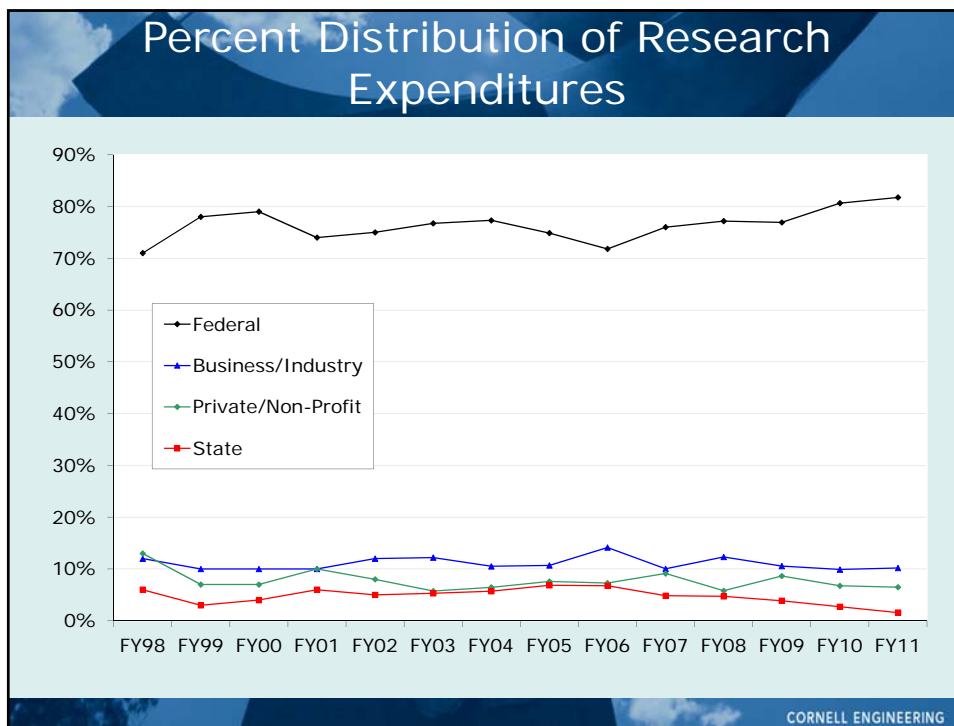
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Leadership Program

- **Update**
 - College Advisory Committee
 - Faculty/staff
 - National Search for Director
 - On-campus interviews - 3 excellent candidates
 - Offer in process
- **Resources**
 - \$700k gift – three year pilot program
 - Additional \$50K - hire Associate/Assistant Director
 - Accelerate impact of program substantially

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Facilities

- Payette Space Master Plan Updates 2007 Plan
- Total Cost: \$150M over 10 years (20% of 2007 plan)
- Addresses Immediate Needs & Aging Buildings
 - Weill Instructional & Faculty Labs for BME
 - Kimball Renovation for Wet Labs
 - Renovation of Upson and Hollister Halls
- Olin Addition for BME Department
 - Philanthropy Required - \$54M + O&M
- Other Smaller Projects (Start-ups, Specialty Labs, Student Services, Classrooms, Departmental)

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Status of Budget

- University has 4-year plan to balance operating budget
 - Budget reduction of \$753K for next fiscal year
- Engineering's response
 - Restructured administrative functions
 - Consolidated services (Finance, HR, Facilities, IT)
 - Reduced management layers
 - Fewer staff resulting from attrition and small # of layoffs
 - Enhanced research support to faculty
 - Continue to hire faculty
 - 19 active searches
 - Take advantage of outstanding talent pools
 - Faculty renewal fund
 - Increased reliance on multiple revenue streams
 - MEng tuition, gifts, reserves

Strategic Plan Update

- Engaged Associate Deans
- Refinement of Research Thrusts
 - Energy and the Environment
 - Bioengineering
 - Advanced Materials (Nanotechnology)
 - Complex systems, network science and computation
- Impact of CornellNYC Tech Campus
- Faculty Hiring Plan
 - Department faculty lines
 - College distributes some lines to promote college strategic goals

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