

# Dean's Report



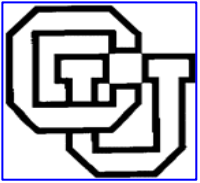
## Engineering Advisory Council Resource Development Committee



**Bernard Amadei, Engineers Without Borders  
Bank One Colorado Faculty Community Service Award**

**Presentation on 10/17/02 by**

**Robert H. Davis, Dean, College of Engineering & Applied Science**



# College Personnel Data



Year	# faculty	# BS students	# MS students	# PhD students
1980	95	2133	320	85
1985	117	2350	500	279
1990	147	2340	590	440
1995	152	2284	720	445
2000	160	2580	599	411
<b>2002</b>	<b>165</b>	<b>2681</b>	<b>617</b>	<b>458</b>



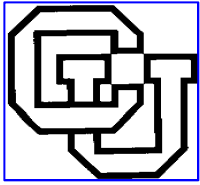
# College Diversity Data

## Fall 2002



Category	Women		Underrep. Minorities	
	2002	1992	2002	1992
Undergraduates	19.4%	17.9%	7.5%	7.6%
Graduate Students	23.3%	15.0%	3.6%	3.9%
Faculty	9.9%	6.8%	5.6%	4.8%

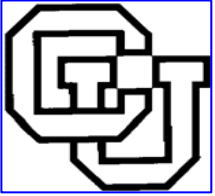




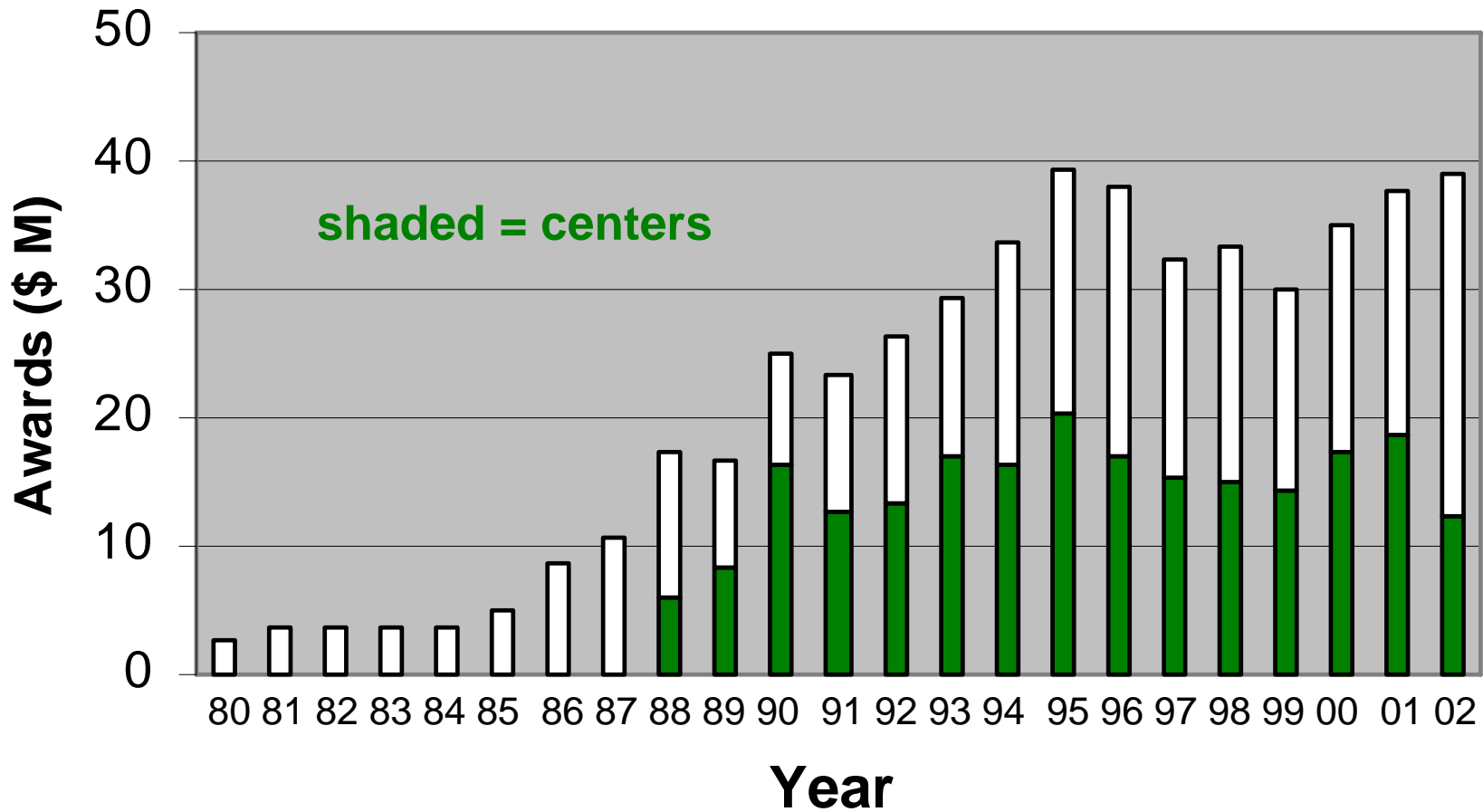
# New Faculty

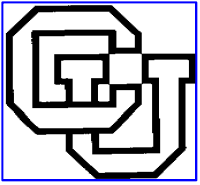


<b>Name</b>	<b>Department</b>
Xinlin Li	Aerospace Engineering Science
Janet deGrazia	Chemical Engineering
Paul Chinowsky	Civil, Environmental & Architectural. Eng.
John Black	Computer Science
Michael Burl	Computer Science
Henry Tufo	Computer Science
Dejan Filipovic	Electrical & Computer Engineering
Youjian “Eugene” Liu	Electrical & Computer Engineering
Olgica Milenkovic	Electrical & Computer Engineering
Ray Nettleton	Interdisciplinary Telecommunications
Derek Reamon	Mechanical Engineering
Robin Shandas	Mechanical Engineering
Conrad Stoldt	Mechanical Engineering
Oleg Vasilyev	Mechanical Engineering



# CU Engineering Research Awards

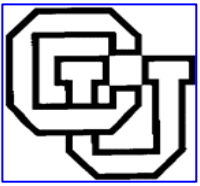




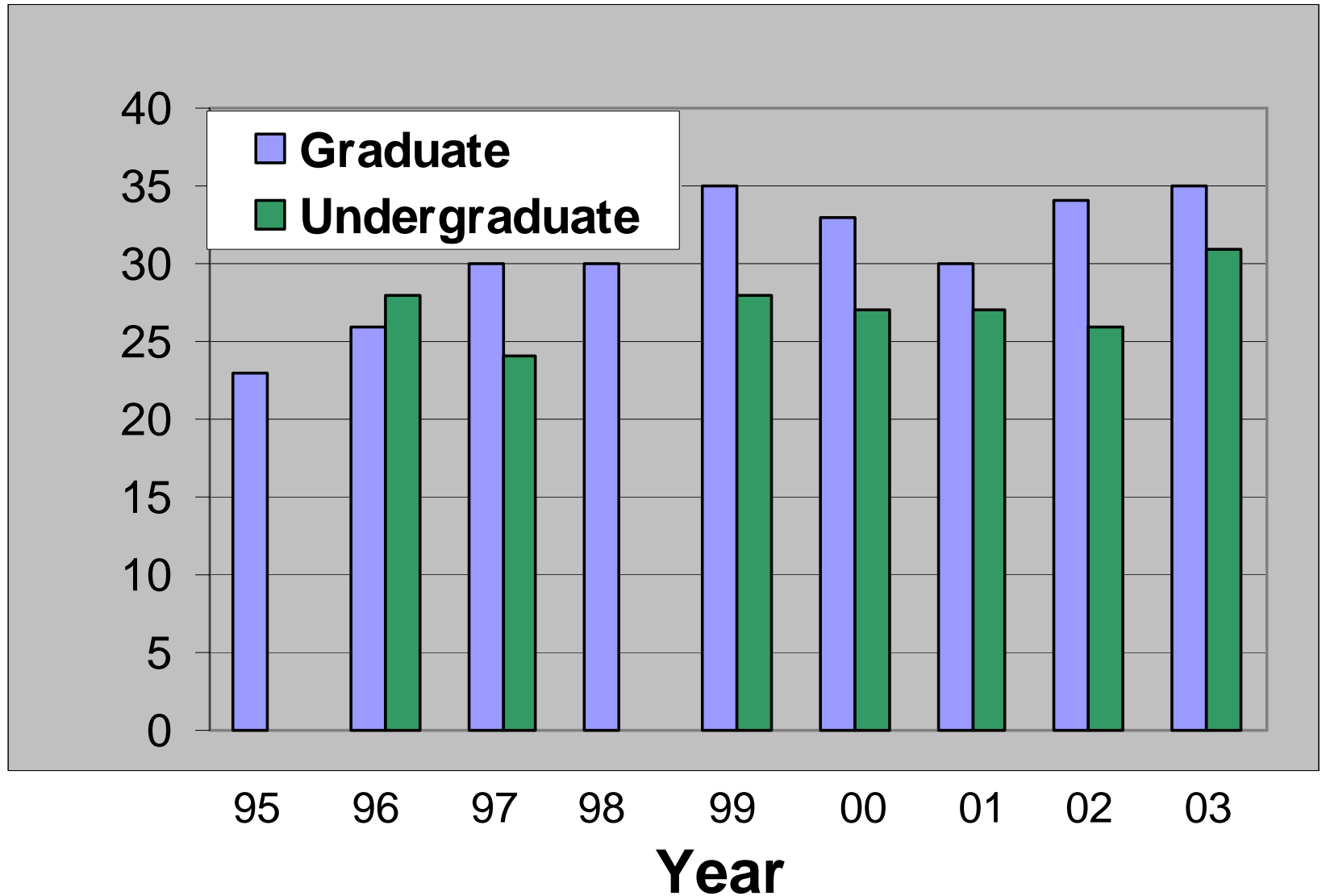
## 2001-02 Grant Awards

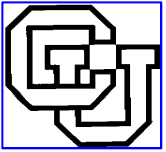


<b>Dept.</b>	<b>Awards</b>	<b># Faculty</b>	<b>\$/Faculty</b>
AES	\$ 9.9 M	25	\$396 K
ChE	\$ 5.2 M	14	\$371 K
CEAE	\$ 6.2 M	34	\$181 K
CS	\$ 7.3 M	23	\$318 K
ECE	\$ 4.4 M	39	\$114 K
ITD	\$ 0.3 M	5	\$ 52 K
ME	\$ 3.9 M	20	\$188 K
Other	\$ 1.7 M	5	\$349 K
<b>Total</b>	<b>\$39.0 M</b>	<b>165</b>	<b>\$236 K</b>



# US News & World Report Engineering Rankings





# Space Inventory and Needs

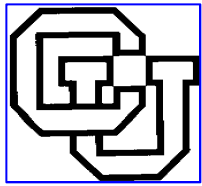


Building	Assignable Sq. Feet	Research Labs	Offices
Eng. Center	270,000	100,000	102,000
DLC	27,000	11,000	1,500
ITLL	21,000	0	500

Category	2002	2007
Faculty	165	175
Staff & Professional	221	250
PhD Students	458	675
Research Exp.	\$35 M	\$50 M
Sq. Ft. Lab Needed <sup>1</sup>	113,000	150,000
Sq. Ft. Office Needed <sup>2</sup>	93,000	116,000

<sup>1</sup> 150 sq. ft./F-T researchers, 1 F-T researcher/\$50,000

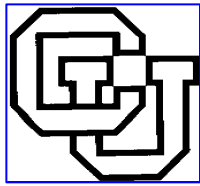
<sup>2</sup> 140 sq. ft./faculty, 100 sq. ft./staff & prof., 70 sq. ft./PhD + 20%



# Discovery Learning Center



- Grand Opening: 18 October 2002
- Vertical Integration & Research-based Learning
- DLC Launch Task Force
- Ongoing Management & Annual Budget: \$250 K/yr est.
- Funds Still Needed for DLC Building: \$2.3 M



# Technology Transfer Update



- **IP Educational Series**

Bio-MEMS (6/27/02)

Startups (10/24/02)

Microfluidics (7/15/02)

Opto-electronics (11/1/02)

- **Inventor Awards** (11/13/02) – 5 Engineering Finalists

- **Engineering Technology Activity**

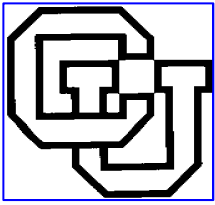
Inv. Disclosures: 36 in FY02, 12 in 1<sup>st</sup> Qtr FY 03

Under Negotiation: 5 Licenses & 3 Startups

Recent Startups: ALD NanoSolutions  
Powersicel

- **Boulder Tech Transfer:** Director & One-Stop Shopping

- **CU Tech Transfer:** Policy Revisions & Strategic Plan



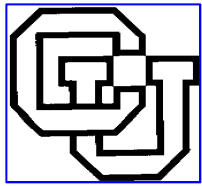
# Engineering Development Update



## ◆ FY 97-03 TLE/Beyond Boundaries Campaign

Gift Type	FY 97-02 Results	Total Campaign Goal	% Total Campaign Goal	FY 2003 Results To Date	FY 2003 Goals	% Total FY 2003 Goals
Endowment	20,045,976	14,911,983	134%	287,562	3,500,000	8%
Capital	14,995,902	15,013,625	100%	24,992	1,500,000	2%
GIK	22,840,687	12,766,171	179%	4,524,130	2,000,000	226%
Current	16,734,599	11,409,143	147%	911,168	3,000,000	30%
<b>TOTAL GOAL</b>	<b>74,617,164</b>	<b>54,100,922</b>	<b>138%</b>	<b>5,747,852</b>	<b>10,000,000</b>	<b>57%</b>

- ◆ Dean's Fund: FY 99: 390 K, FY 00: 290 K, FY 01: 230 K, FY 02: 250 K
- ◆ Director Search and Reporting Structure



## Budget News



- 5% temporary cut of state funding in FY 03
- 12% permanent cut expected in FY 04
- College cut \$360 K FY 03, ~ \$500 K FY 04

## New Resources from Provost

- \$2M in one-time funds over three years
- \$250K/yr in continuing funds, phased in
- 5 faculty growth positions, phased in
- Partial funding of 'Chief of Staff' position