

Global Collaboration

Presidents Open Forum
Association of Pacific Rim Universities
June 28, 2008

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Chancellor, UC Santa Barbara



A U.S. Perspective about
International Students in the
United States & Abroad

*U.S. Secretary of Education Margaret Spellings'
Delegation to East Asia, November 2006*



Kamigamo Shrine, Kyoto,
Japan, November 12, 2006

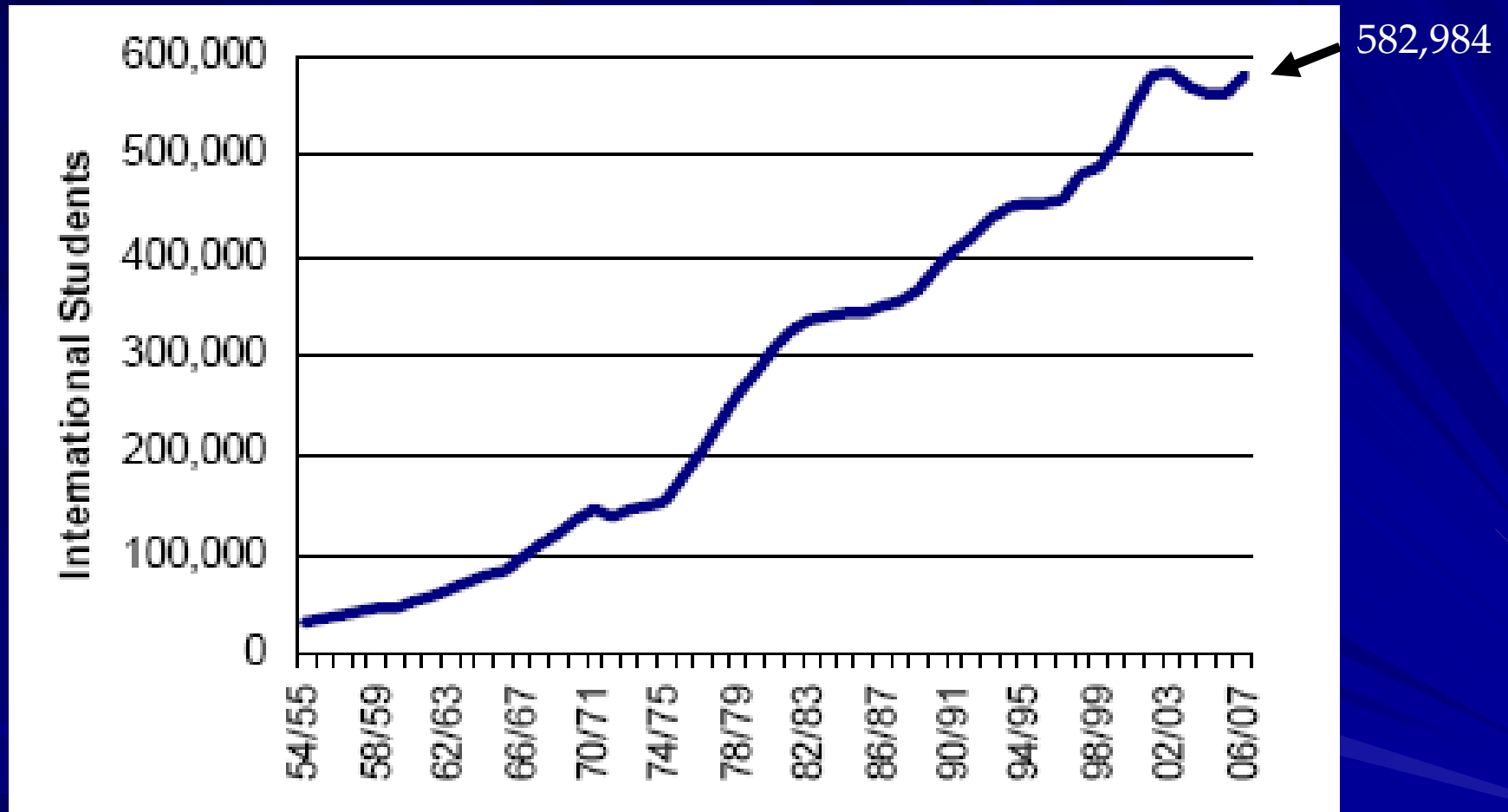
U.S. Secretary of Education Margaret Spellings' Delegation to Brazil & Chile, August 2007



Trend of International Students in the United States

- Where do they come from?
- What do they study?

International Students in the U.S.



Source: Institute of International Education
<http://opendoors.iienetwork.org>
November 12, 2007

International Students in the U.S. Where Do They Come From?

Rank	Place of Origin	2005/06	2006/07	2006/07 % of Total	% Change
	WORLD TOTAL	564,766	582,984	-	3.2
1	India	76,503	83,833	14.4	9.6
2	China, PRC	62,582	67,723	11.6	8.2
3	Korea, Rep. of (South)	59,022	62,392	10.7	5.7
4	Japan	38,712	35,282	6.1	-8.9
5	Taiwan	27,876	29,094	5.0	4.4
6	Canada	28,202	28,280	4.9	0.3
7	Mexico	13,931	13,826	2.4	-0.8
8	Turkey	11,622	11,506	2.0	-1.0
9	Thailand	8,765	8,886	1.5	1.4
10	Germany	8,829	8,656	1.5	-2.0
11	United Kingdom	8,274	8,438	1.4	2.0
12	Saudi Arabia	3,448	7,886	1.4	128.7
13	Nepal	6,061	7,754	1.3	27.9
14	Hong Kong, China	7,849	7,722	1.3	-1.6
15	Indonesia	7,575	7,338	1.3	-3.1
16	Brazil	7,009	7,126	1.2	1.7
17	Colombia	6,835	6,750	1.2	-1.2
18	France	6,640	6,704	1.1	1.0
19	Kenya	6,559	6,349	1.1	-3.2
20	Vietnam	4,597	6,036	1.0	31.3

International Students in the U.S.

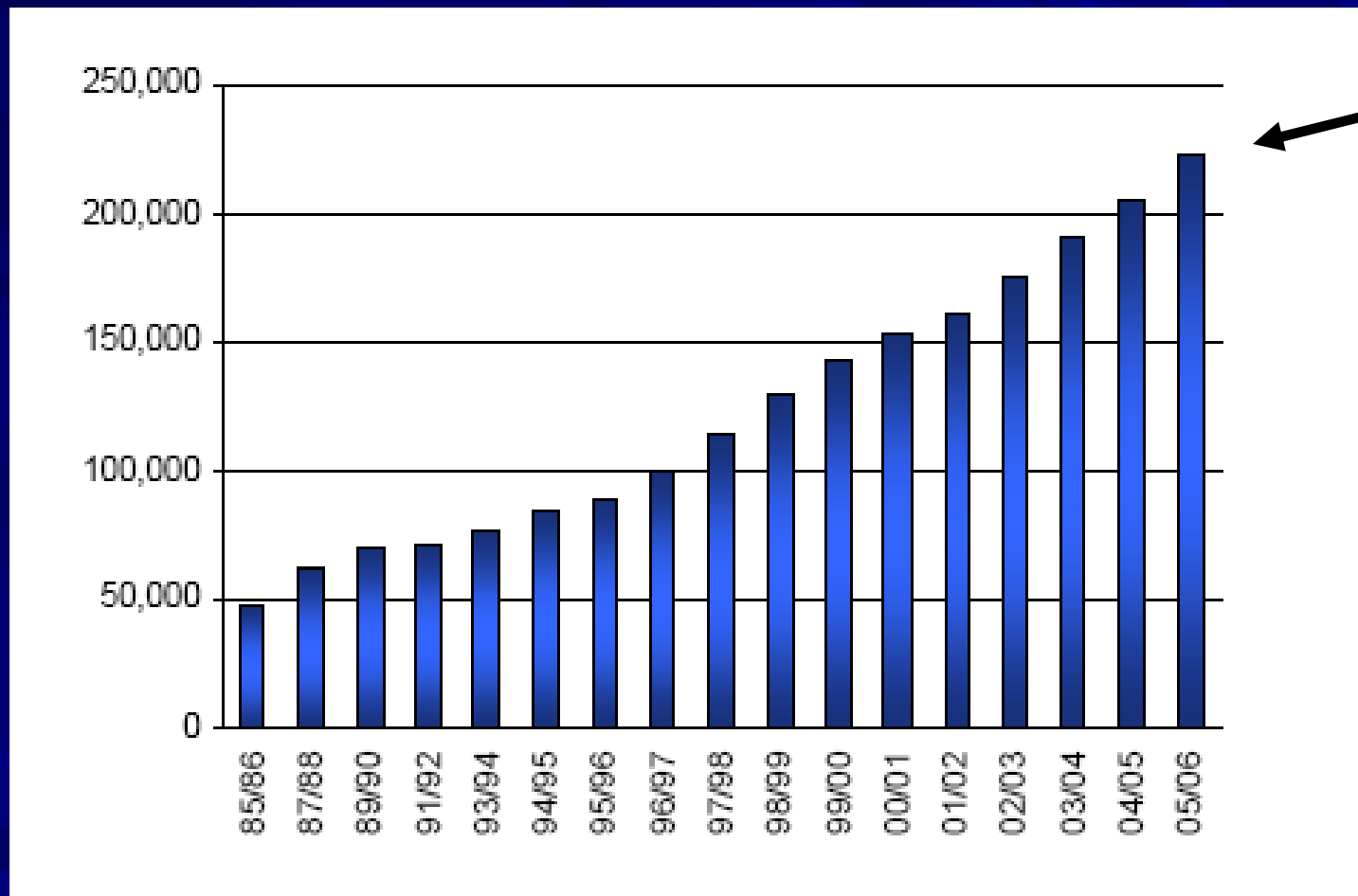
What Do They Study?

Rank	Field of Study	2005/06 Int'l Students	2006/07 Int'l Students	2006/07 % of Total	% Change
1	Business & Management	100,881	103,641	17.8	2.7
2	Engineering	88,460	89,137	15.3	0.8
3	Physical & Life Sciences	50,168	51,863	8.9	3.4
4	Social Sciences	46,132	48,978	8.4	6.2
5	Math & Computer Science	45,518	46,019	7.9	1.1
6	Fine & Applied Arts	29,509	29,588	5.1	0.3
7	Health Professions	27,124	28,294	4.9	4.3
8	Intensive English Language	17,239	22,417	3.8	30.0
9	Education	16,546	16,825	2.9	1.7
10	Humanities	16,480	16,189	2.8	-1.8

Trend of U.S. Students Going Abroad

- Where do they go?
- What do they study?

U.S. Study Abroad Trends



223,534

U.S. Study Abroad Students Where Do They Go?

Host Region	2004/05	2004/05	2005/06	2005/06
	Total	%	Total	%
Africa	7,100	3.5	8,459	3.8
Asia	16,571	8.0	20,811	9.3
Europe*	124,292	60.3	130,274	58.3
Latin America	29,655	14.4	33,902	15.2
Middle East	1,977	1.0	2,585	1.2
North America**	1,121	0.5	1,151	0.5
Oceania	13,787	6.7	14,033	6.3
Multiple Regions	11,480	5.6	12,319	5.5
Total	205,983	100.0	223,534	100.0

*Cyprus and Turkey were re-classified into the Europe region in 2004/05.

** Includes Antarctica.

U.S. Study Abroad Students

What Do They Study?

Field of Study	2004/05 Total	2004/05 %	2005/06 Total	2005/06 %	% Change
Social Sciences	46,552	22.6	48,537	21.7	4.3
Business & Mgmt.	36,047	17.5	39,478	17.7	9.5
Humanities	27,396	13.3	31,810	14.2	16.1
Foreign Languages	15,449	7.5	17,547	7.8	13.6
Fine or Applied Arts	15,655	7.6	16,829	7.5	7.5
Physical/Life Sci.	14,625	7.1	15,457	6.9	5.7
Education	8,445	4.1	9,056	4.1	7.2
Health Sciences	7,003	3.4	8,540	3.8	21.9
Engineering	5,974	2.9	6,556	2.9	9.7
Math or Comp. Sci.	3,502	1.7	3,318	1.5	-5.3
Agriculture	2,472	1.2	2,818	1.3	14.0
Undeclared	7,003	3.4	7,583	3.4	8.3
Other	16,067	7.7	16,005	7.2	-0.4
Total	205,983	100.0	223,534	100.0	8.5

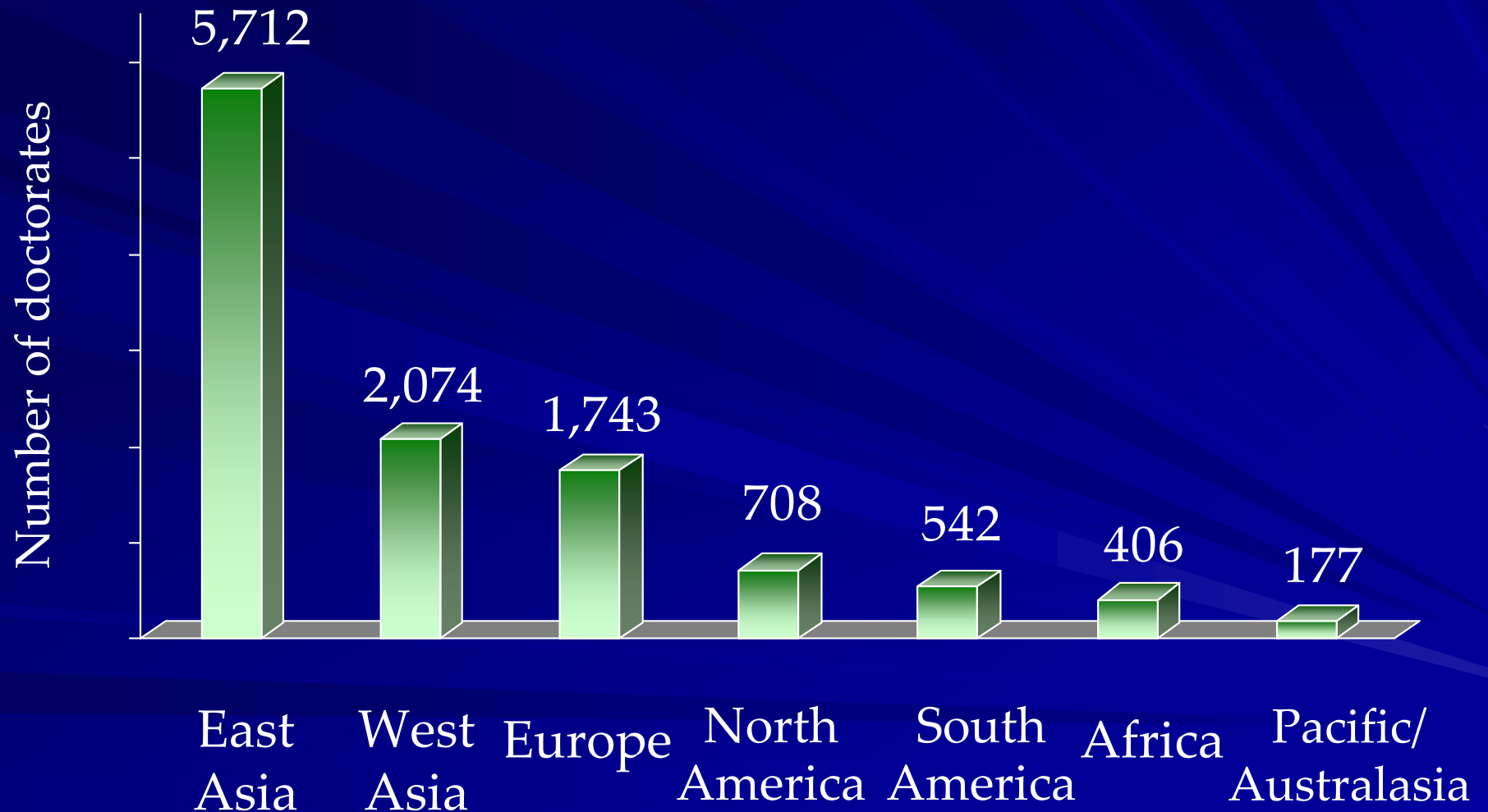
Another Perspective:
Talent Has No Borders

U.S. Doctorates Awarded in Sciences and Engineering

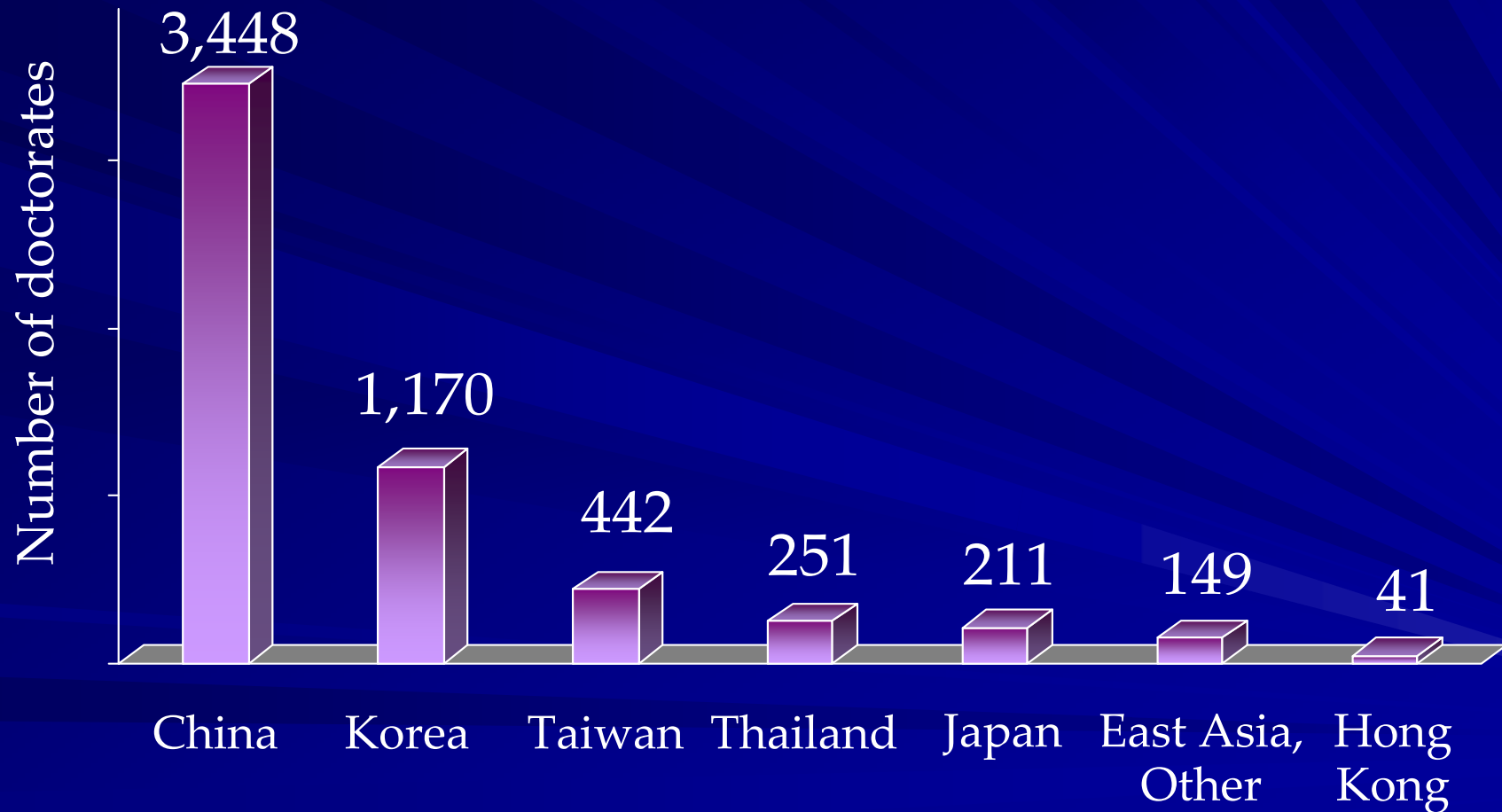
	1992	1996	2002	2005
Total U.S. and Foreign	24,675	27,240	24,582	27,974
Total Foreign	9,499 (39%)	10,911 (40%)	8,861 (36%)	11,516 (41%)
Total East Asia	4,865	5,700	4,287	5,712
Total West Asia	1,891	2,197	1,488	2,074
Total Pacific/ Australasia	220	240	154	177

Source: National Science Foundation

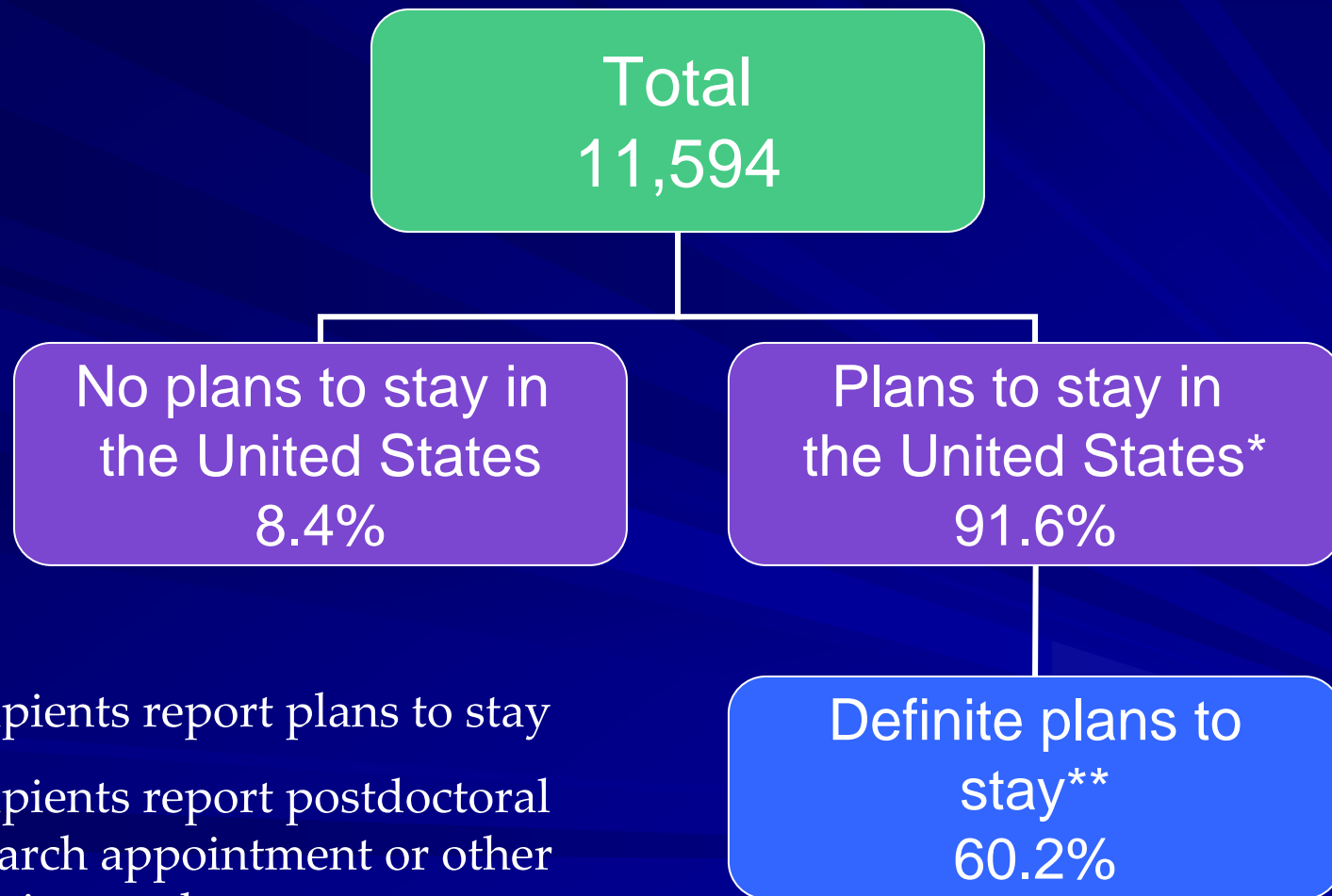
U.S. Doctorates Awarded in Sciences and Engineering, 2005



Breakdown of East Asian Citizens Awarded U.S. Doctorates in Sciences and Engineering, 2005



Chinese Science & Engineering Doctoral Recipients with Plans to Stay in the United States, 2002-2005

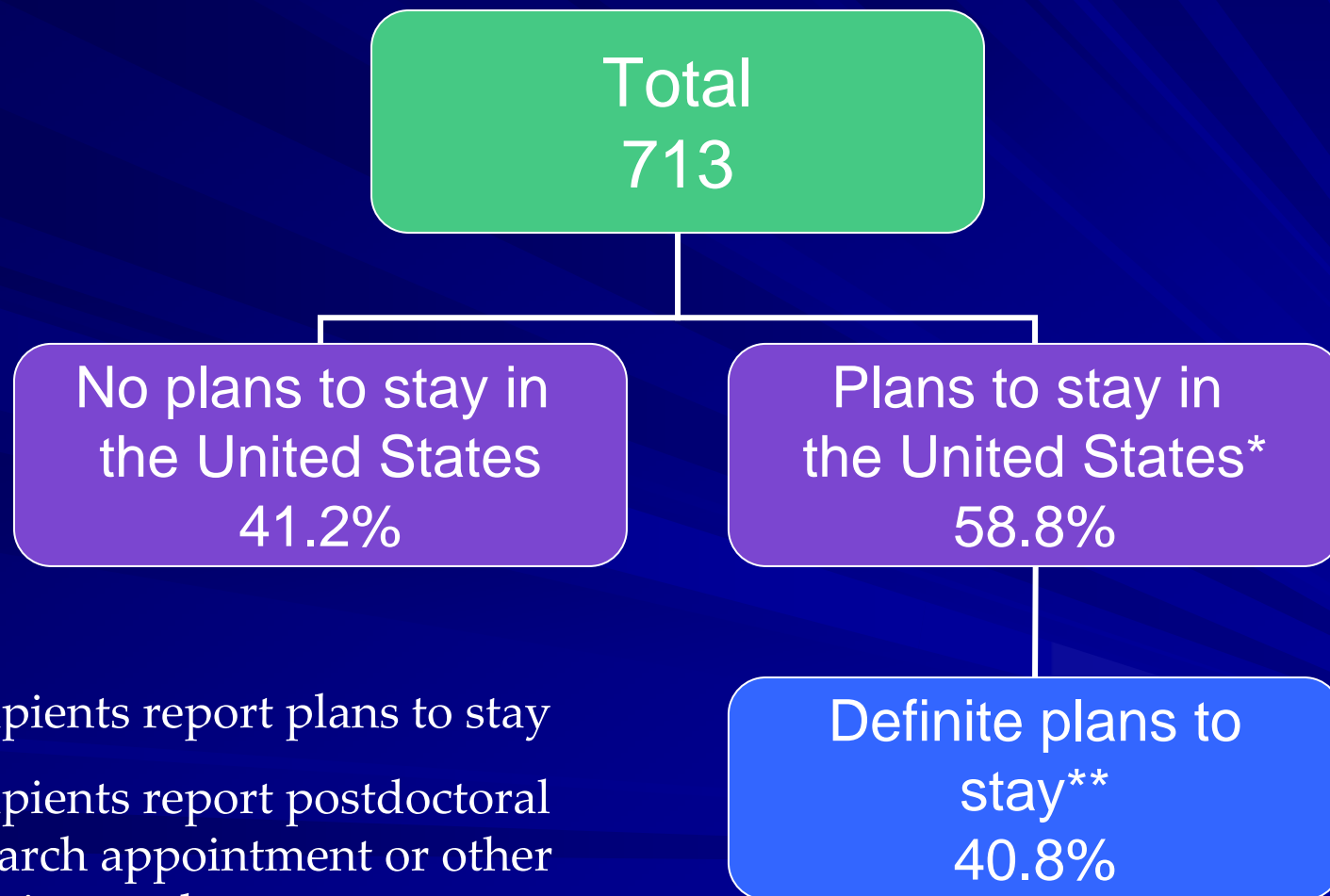


* Recipients report plans to stay

** Recipients report postdoctoral research appointment or other definite employment

Source: NSF S&E Indicators 2008

Japanese Science & Engineering Doctoral Recipients with Plans to Stay in the United States, 2002-2005



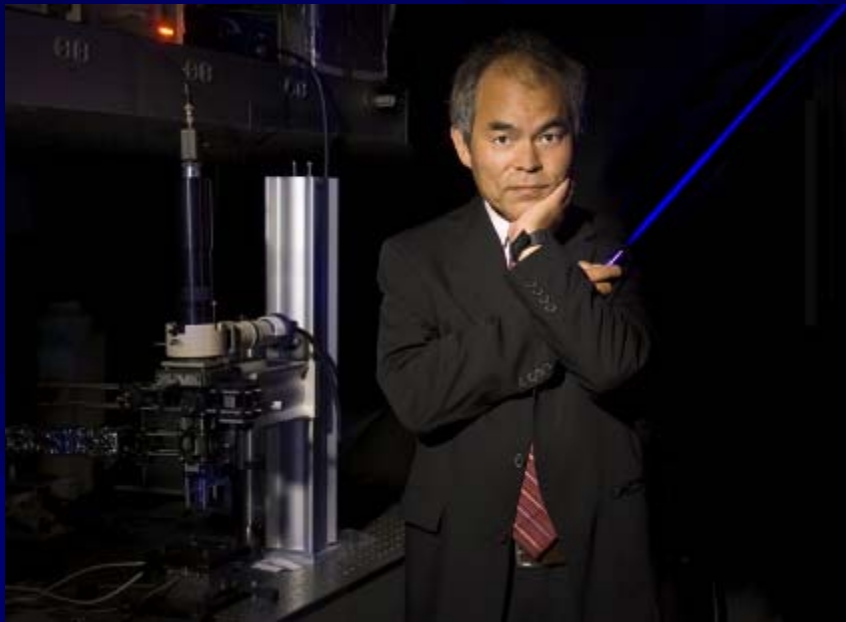
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Source: NSF S&E Indicators 2008

A Few Examples of Global Collaboration at UC Santa Barbara

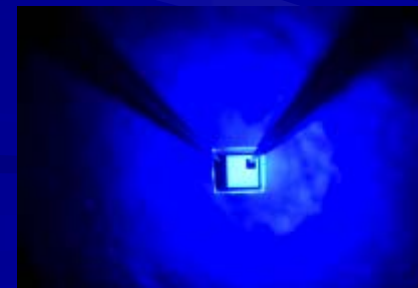




Professor Shuji Nakamura

Millennium Technology Prize, 2006
(one million euros)

Inventor of the blue laser and
blue, green & white LEDs



Light Up the World Foundation

Bringing Light to the Developing World



Professor Nakamura donated funds from his Millennium Technology Prize winnings to the Light Up the World Foundation

Young girl in Amazon village, studying by light of a white LED (visit www.lutw.org for more info)



紅丹還魂

【白先勇◎編著】

The Peony Pavilion

詩畫一般的經典昆劇經典，
完美結合文學與舞台，傳統與創新的劃時代演出。
由白先勇做生還魂的青衫版（牡丹亭），
不僅充分發揮了歷代精華的文化力量，
也使古老的戲曲藝術煥發了青春生命。

時報出版

Nobel Laureates

University of California, Santa Barbara



Walter Kohn
Nobel 1998, Chemistry

Alan Heeger
Nobel 2000, Chemistry

Herbert Kroemer
Nobel 2000, Physics

Finn Kydland
Nobel 2004, Economics

David Gross
Nobel 2004, Physics

Distinguished Awards for Junior Faculty

Award	Amount	Total (2004-2008)
NSF CAREER	\$400-\$500,000 over 5 years	20
Packard Fellowship	\$625,000 over 5 years	3
Sloan Fellowship	\$45,000 over 2 years	9
Beckman Young Investigator	\$300,000 over 3 years	3
TOTAL		35

Distinguished Awards for Junior Faculty

(on a per capita basis, 2004-2008)

#1 Caltech

#1 MIT (tied with Caltech)

➔ #3 **UC Santa Barbara**

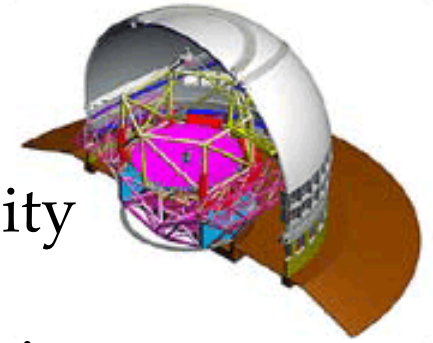
#4 UC San Diego

#5 Princeton

#5 Berkeley (tied with Princeton)



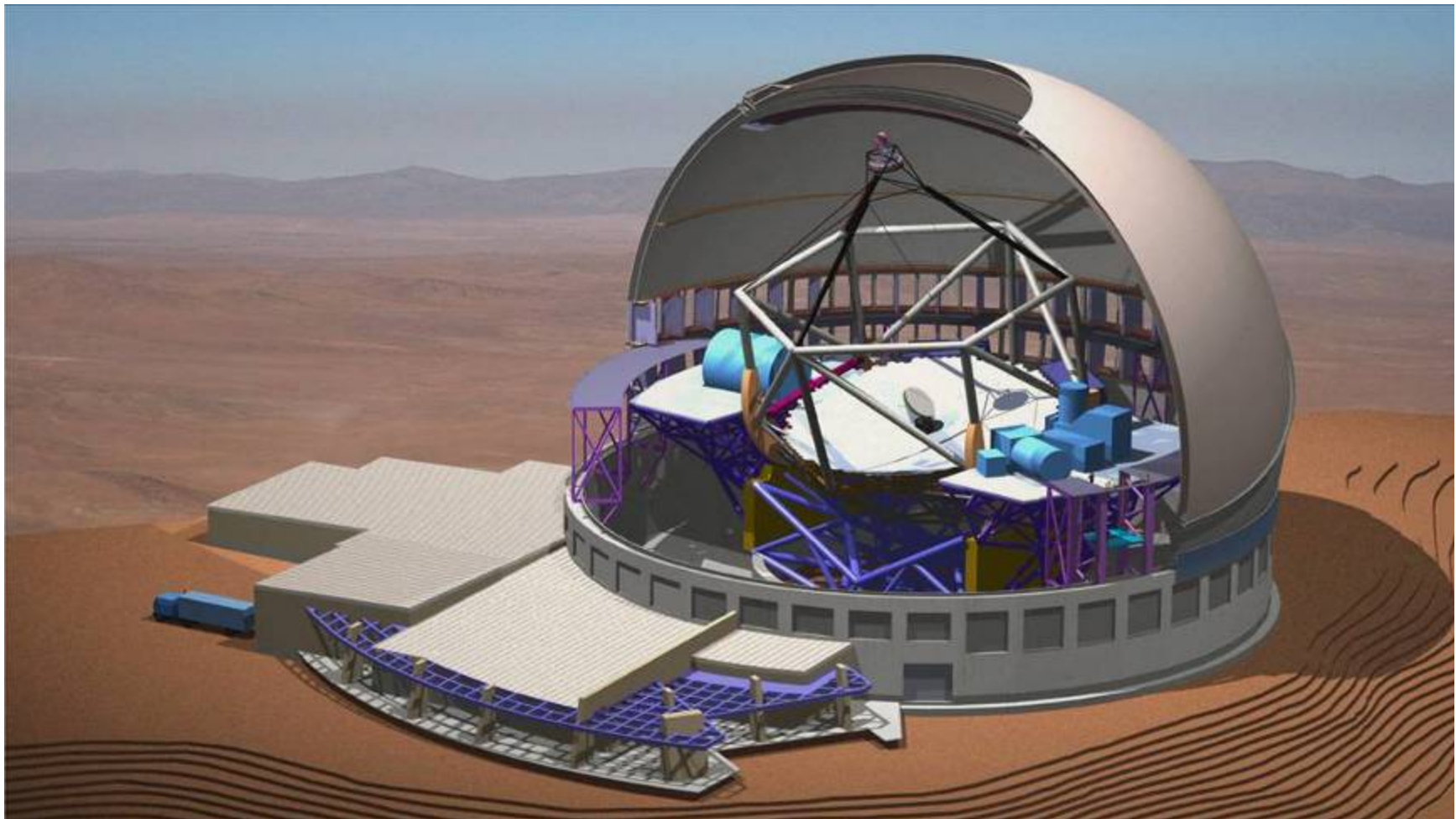
Thirty Meter Telescope



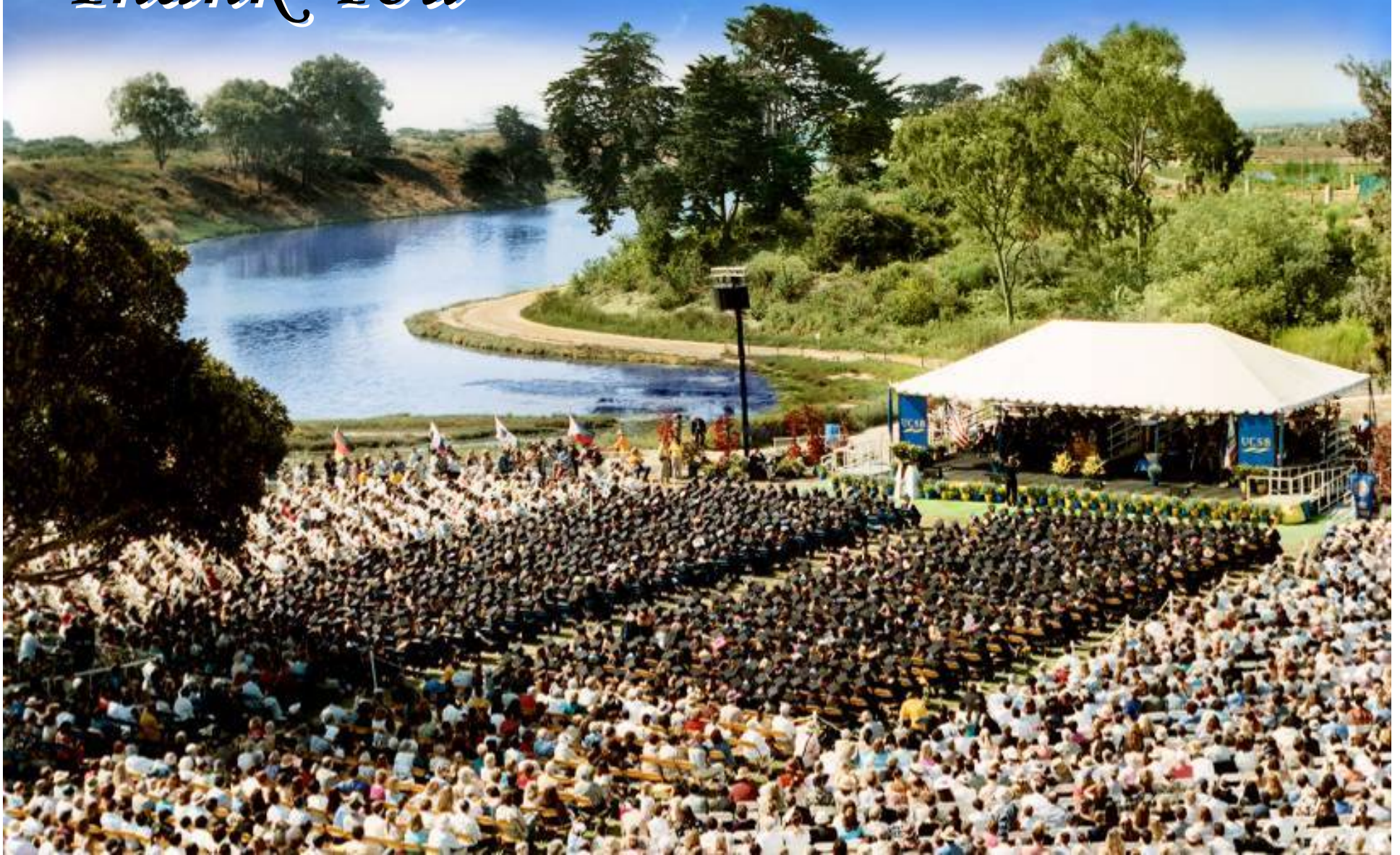
ACURA
(Association of Canadian
Universities for Research in
Astronomy)

California
Institute of
Technology

University
of
California



Thank You



One of eight commencement ceremonies at UC Santa Barbara