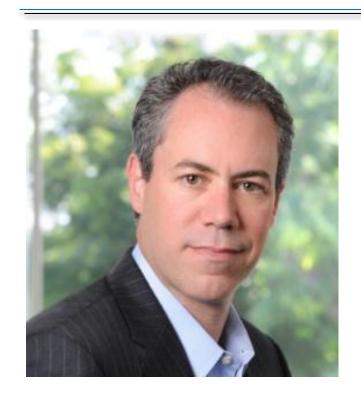


CAP Chairman 2012 - 2013



Anton Monk, Ph.D. UCSD '94 Co-founder & VP Technology Entropic Communications

Welcome New CAP Members!

Opposition Opposition









Welcome Distinguished Students

Triton Engineering Student Council Eduardo Mateo, VP Finance

ThoughtSTEM

Sarah Esper, Co-founder Stephen Foster, Co-founder









A big thanks to all of our Corporate Sponsors! Over 25 CAP Members Attending!











Sandia National







Friday, February 22, 2013 9:30 AM to 2:00 PM University of California, San Diego

The regular registration period ends February 1st, 2013!

Enspire

Wednesday, February 20, 2013 9:00am – 1:00pm

This year, we have invited over 300 under-served middle school students to UCSD to learn about university-level engineering!

The students will participate in a design activity, lab tours, and listen to guest speakers through the span of their stay at UCSD



Enspire



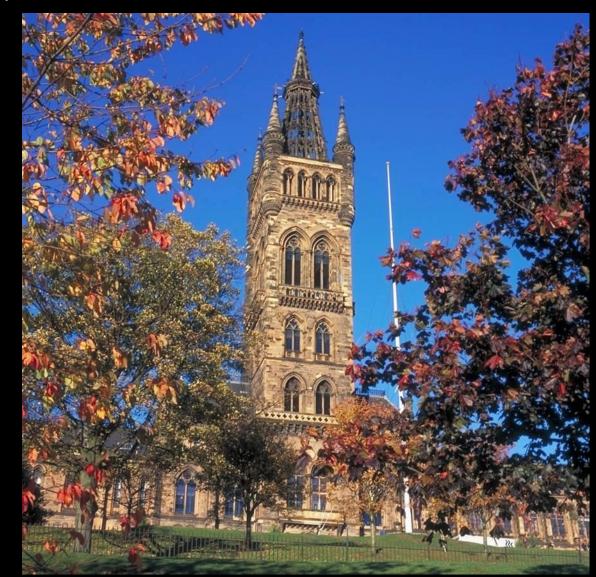
We really need your help to continue making this event a successful event!







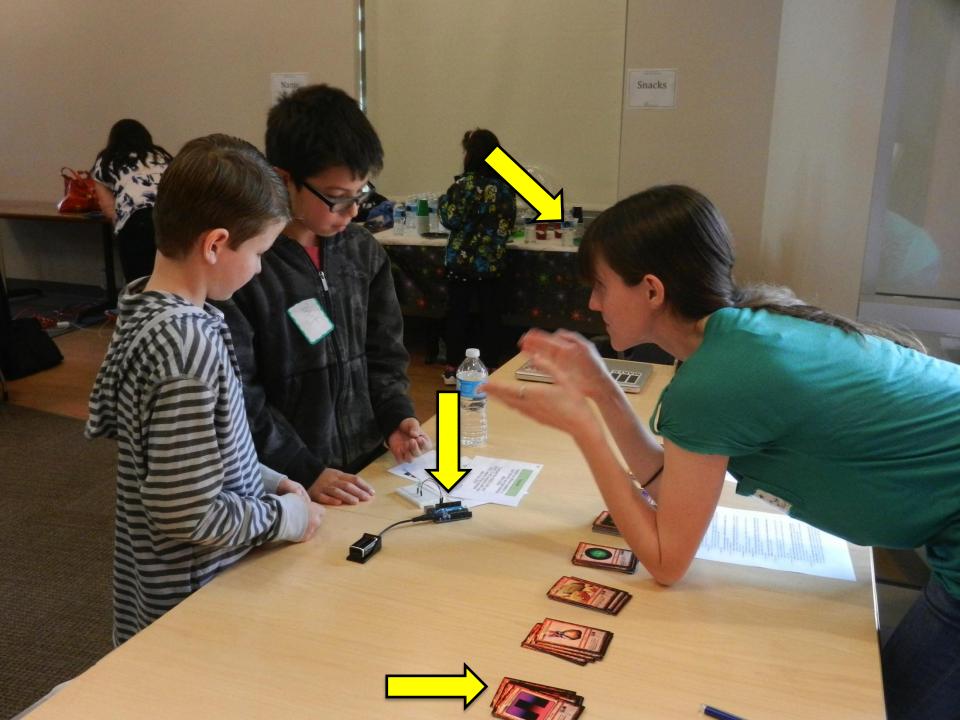
"College-level material"



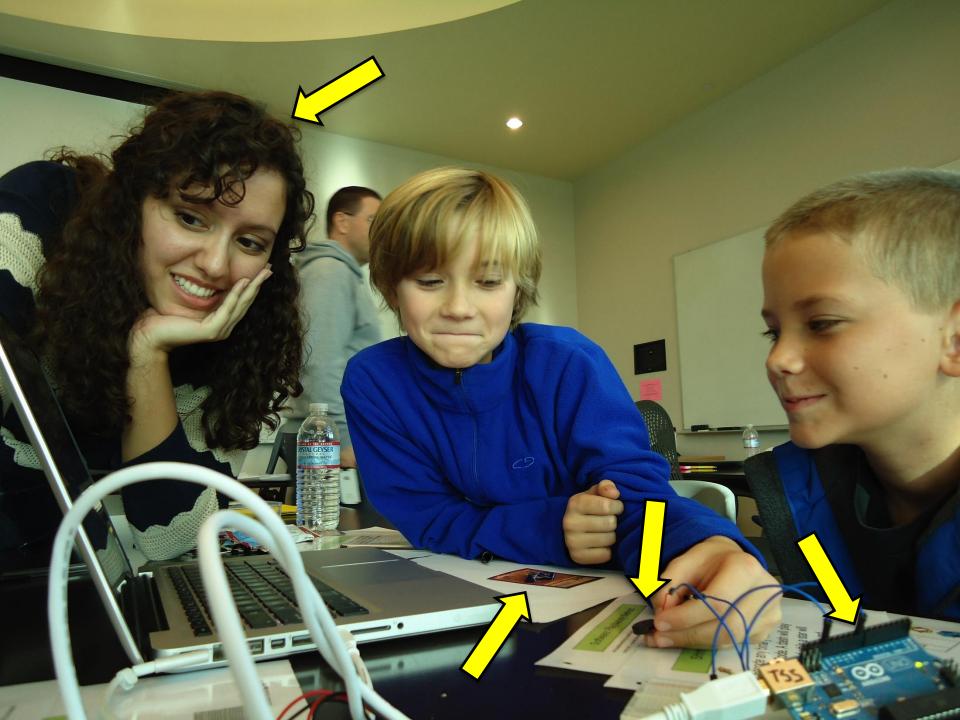
"Traditional classrooms"















contact@thoughtstem.com



Dean's Report Corporate Affiliates Executive Board Meeting

Juan C. Lasheras Interim Dean

Interim Dean



Juan C. Lasheras

Distinguished Professor Mechanical and Aerospace Engineering Bioengineering

Penner Chair in Engineering and Applied Science

National Academy of Engineering

Director,
Center for Medical Device and Instrumentation,

Faculty Director,
MAS Medical Device Engineering



Frieder Seible Dean Emeritus

30 Years of Service as Distinguished Professor 10 Years of Service as Dean of the Jacobs School

87 Faculty Hires

Industry Partnerships Doubled

Two New Academic Departments

Four Buildings

Initiatives to enhance education through team engineering and leadership programs

Thank You, Frieder!



Dean Search Advisory Committee

Firm: Isaacson, Miller

Committee Chairman: Robert Bitmead (MAE)

rbitmead@ucsd.edu

Committee Members:

Professor Pamela Cosman (ECE)

Provost Daniel Donoghue (Council of

Provosts)

Vice Chancellor Linda S. Greene (Equity,

Diversity and Inclusion)

Shazzy Gustafson (Student, CSE)

Professor Michael Heller (NanoEng)

Professor Michael Holst

(Mathematics/Physical Sciences)

Professor Ryan Kastner (CSE)

Professor Francesco Lanza Di Scalea (SE)

Dean Seth Lerer (Arts and Humanities)

Professor John Orcutt (IGPP/Scripps

Institution of Oceanography)

Professor Kevin Patrick (School of

Medicine)

Nieves Rankin (Staff Representative)

Professor Geert Schmid-Schonbein (BE)

Sayanan Sivaraman (Student, ECE)

Professor Steven Wasserman (Biological

Sciences)

Proposed Translational Fund Focused on UC San Diego Technologies

Structure

- \$15 Million Fund, 4 year investment cycle
- Externally managed, for-profit
- Focused on UCSD technology
- Experienced VC management who have long-term relationships with UCSD
- Close collaboration with von Liebig Center and the Office of Technology Transfer
- Balanced portfolio with targeted exits planned within three years
 - Telecomm
 - Internet/IT
 - Nanotech/Materials
 - Energy
 - Medical Device Technologies

Management & Investment Decision Process

Operating Committee

Dave Schwab, Co-Chair
John Rodenrys, Co-Chair
Managing Director
UCSD-designated Investment Professional
San Diego-based Investment Professional

- Investment Decisions
- Kill Decisions
- Operational Decisions



Outside Domain Experts
Researchers, UCSD & External
Entrepreneurs
Venture Capitalists



Technology Acceleration Process & Funding Phases

Faculty
Disclosures
Released by Tech
Transfer

-Fund Independently Screens 100s of disclosures **Investment Fund**

Investment Committee Decisions



Proof of Concept

\$60K + IDC

License Option

A Round

\$100K + IDC

License

Executed

B Round

\$250K + IDC



Von Liebig Advisors Provide Project Mentoring/Management





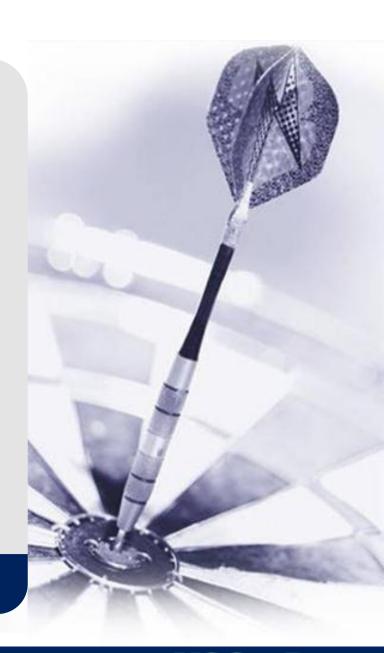
Strategic Planning Process: Defining UC San Diego's Future



Our Goals

- To be the leading public university that enriches human life by:
 - Creating and disseminating, discoveries, technologies, inventions, cures, creative works and artistic expression
 - Educating and training leaders for society
 - Maintaining access and affordability
 - Engaging with, and contributing to, the community
 - Recognizing and celebrating diversity
- To be a university that provides an enabling environment and opportunity for all to achieve their objectives, dreams and ambitions, while contributing to institutional goals

Act Locally and Impact Globally



Current Context – External

- State General Funds expected to be flat at best
- State budget for construction expected to be nonexistent
- Reduction in federal research support very likely!
- Clinical income will decrease through healthcare reform

Why we are undertaking this strategic planning effort

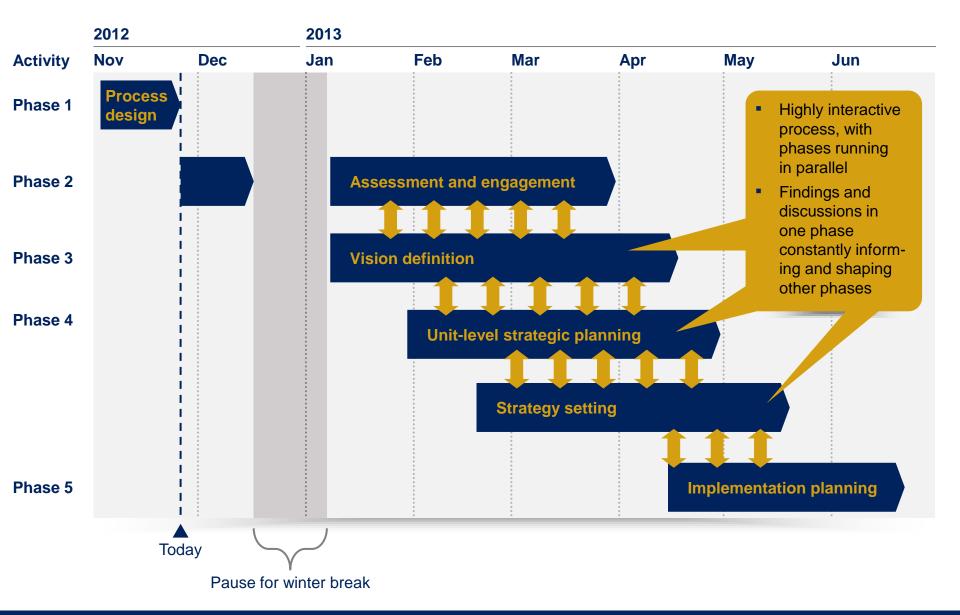
Overall Context

- Highly successful trajectory over the last 52 years
- Increasing financial constraints
- Many opportunities for distinctiveness and leadership

Challenges for UC San Diego

- Improving the undergraduate student experience
- Serving the best students regardless of their ability to pay
- Attracting more graduate students
- Improving student to faculty ratio
- Attracting and retaining talented faculty
- Enhancing infrastructure
- Improving UC San Diego's brand
- Enhancing global presence
- Fostering interdisciplinary cooperation among departments and schools by removing institutional barriers
- Increasing alumni giving rates

High level workplan for the strategic planning effort





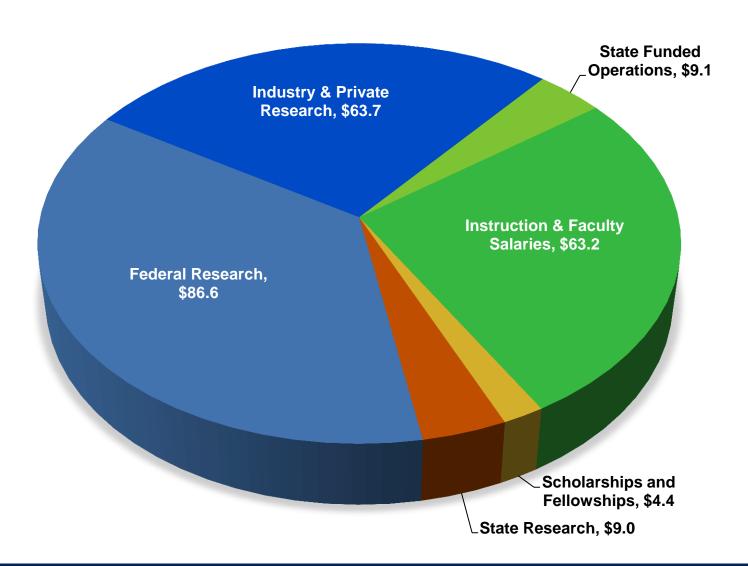
Jacobs School Strategic Planning

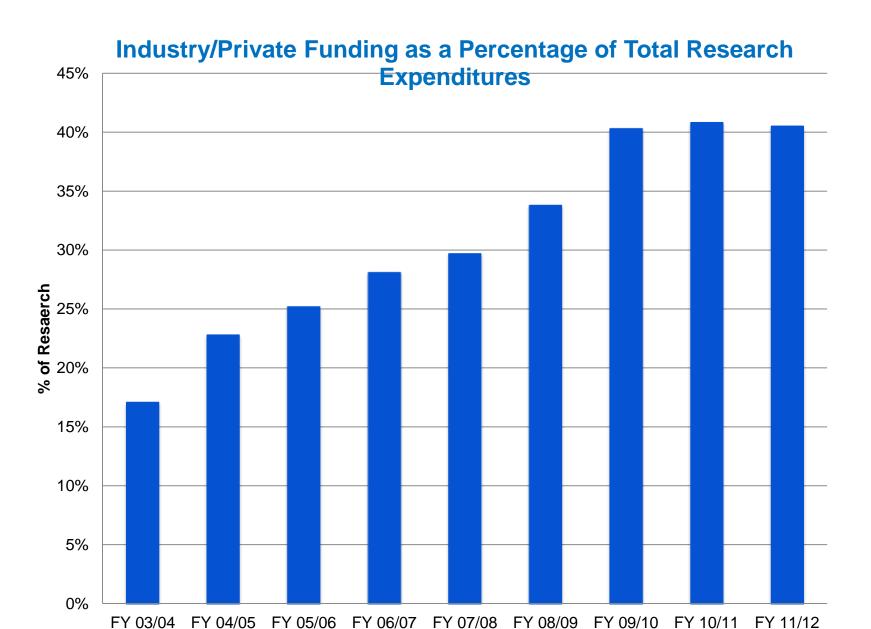
Workgroups:



Undergraduate
Graduate
Research
Organization and Governance
External Relations

Jacobs School 11/12 Expenditures \$236M





General Campus Students

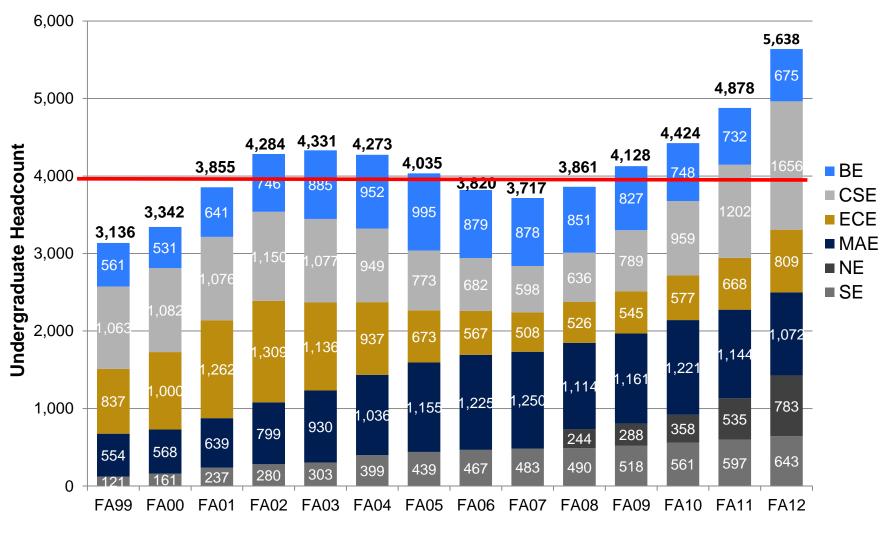
3 quarter average

Student Counts

	FY2008	FY2009	FY2010	FY2011	FY2012	Change
Division of Arts & Humanities						
Undergraduate Majors - 3QAvg	2,088.00	2,003.33	1,994.00	1,912.67	1,712.00	(376.00)
Master's Students - 3QAvg	139.00	129.67	148.67	144.00	142.33	3.33
PhD Students - 3QAvg	301.67	319.00	331.67	325.33	322.67	21.00
Division of Biological Sciences						
Undergraduate Majors - 3QAvg	5,107.00	5,625.33	5,560.67	4,884.67	4,062.33	(1,044.67)
Master's Students - 3QAvg	80.33	99.00	95.67	128.67	132.00	51.67
PhD Students - 3QAvg	198.00	181.33	170.33	159.00	159.00	(39.00)
Division of Physical Sciences						
Undergraduate Majors - 3QAvg	2,075.67	1,833.00	1,954.67	2,371.00	2,465.00	389.33
Master's Students - 3QAvg	41.66	41.67	63.00	70.00	82.00	40.34
PhD Students - 3QAvg	432.00	434.67	453.33	477.00	460.33	28.33
Division of Social Sciences						
Undergraduate Majors - 3QAvg	7,547.00	8,008.67	8,436.67	8,586.67	8,461.33	914.33
Master's Students - 3QAvg	138.00	110.33	112.67	117.67	115.67	(22.33)
PhD Students - 3QAvg	594.33	595.33	614.67	609.00	623.33	29.00
Jacobs School of Engineering						
Undergraduate Majors - 3QAvg	3,624.33	3,805.00	4,105.67	4,330.67	4,790.33	1,166.00
Master's Students - 3QAvg	356.66	378.67	458.00	483.00	496.67	140.01
PhD Students - 3QAvg	785.67	762.67	820.67	879.33	901.33	115.67
Jacobs School of Engineering						
Percent of UG	18%	18%	19%	20%	22%	111%
Percent of Masters	47%	50%	52%	51%	51%	66%
Percent of PhD	34%	33%	34%	36%	37%	75%
Percent of Total	20%	20%	21%	22%	25%	100%

source: EVC Resource Profile Data

Jacobs School Total Undergraduate Enrollment



FA99 CSE Impacted FA01 ECE Impacted

FA02 BENG Impacted FA09 CSE no impaction FA10 MAE impacted & pre-med discontinued

Fall 2011 - Fall 2013 Undergraduate Applications

	2011	2012	2013	1 Year	2 Year
	Applications	Applications	Applications	Change	Change
Engineering	12,250	14,500	17,000	17%	39%
Non-Engineering	59,000	62,000	65,300	5%	11%
Total	71,250	76,500	82,300	8%	16%

Fall 2013:

17,000 applicants to Jacobs School out of a total of 156,000 applicants to the *entire* UC System

11%

Discussion Questions

- 1. What do you perceive to be the Jacobs School's reputation and distinguishing strengths?
- 2. Are the Jacobs School's contributions to the future well-being and prosperity of the state properly recognized within your company? How are we viewed in terms of our contributions to:

Educating the future workforce? Advancing knowledge in science and technology Contributing to the growth of industry?

- 3. Does your company value a strong, thriving, entrepreneurial Jacobs School of Engineering? What are the most important reasons you include us amongst the select universities with whom you do business?
- 4. How much is the Jacobs School reputation tied to that of the overall UC San Diego reputation? Can/should we create our own brand?

CAP Business



Anne O'Donnell
Director
Corporate Affiliates Program
Jacobs School of Engineering



CAP Members receive 2 for 1 admission Call for Expo Judges

2:00P - 4:30P

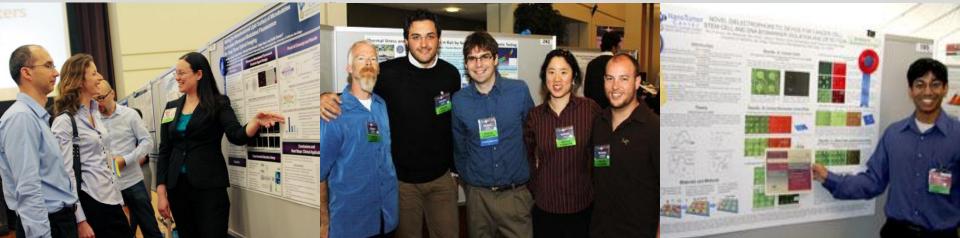
Poster Sessions

2:30P - 4:30P

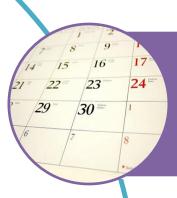
Faculty Research Talks

4:30P - 6:00P

Awards Presentation and Networking Reception



Master of Advanced Study Updates



Mark your calendars: MAS Open House on March 27th.

On campus – reserved parking (spring break week)

Please help promote and distribute information at your organizations.

Flyers available mid-February



Now accepting applications:

Architecture-Based Enterprise Systems Engineering (AESE)

Wireless Embedded Systems (WES)

Medical Device Engineering (MDE)



First Wireless Embedded Systems and Medical Device Engineering students graduating this spring!





Now accepting projects for summer 2013!







OUALCOMM° Stay ahead of the St submitting your project descriptions



CAP Business:



Dates to Remember:

Friday, February 22 DECaF (Disciplines in Engineering Career Fair)

Thursday, April 18 Research Expo

Thursday, June 6 CAP Executive Board Meeting

Thursday, October 3 CAP Executive Board Meeting

