

SAN DIEGO STATE UNIVERSITY

COLLEGE OF ENGINEERING

FACULTY MEETING

OCTOBER 8, 2019





- Call to Order □ Faculty Secretary present for minutes?
- □ Announcements & Updates
 - □ Engineering Development Update
 - Kate Carinder Senior Director of Development, CoE
 - Engineering Staff Update
 - Update on Faculty Searches
- State of the College
 - College Budget Update
 - Undergraduate Program Update
 - □ Research & Graduate Program Update
 - □ University & CoE Diversity, Equity & Inclusion Update
 - Important Dates to Remember
- Other Business
 - □ Approval of 8/22/2019 CoE Retreat Minutes
- Discussion of College Research & JDP Program
 Dr. Steve Welter, VP Research & Dean of Graduate Affairs
- Adjournment



San Diego State University

College of Engineering

ANNOUNCEMENTS & UPDATES

DEVELOPMENT UPDATE



- Development Goal FY19-20 \$4M
- Priorities
 - Faculty Support
 - Fellowships
 - Student Org/Senior Project
 Support
 - o Scholarship
- Development Referral Card
- Invitation to Give
- Gift Announcements

Congratulations! With your help we raised **\$6,110,719** for the College in the 2018-2019 fiscal year!

ENGINEERING STAFF UPDATES





Bianca Avina

B.A., Sociology, San Diego State University

Previous Position: Program Coordinator for ONR Funded Project ANSWER

Position School Programs Manager, Femineer® Program



Lance Rallof

B.A. (Liberal Arts & Sciences), Geography, San Diego State University

Position

Program Coordinator for ONR Funded Project ANSWER (Advancing Naval STEM Workforce Through Education and Research)

FACULTY SEARCHES FOR 2020 - 21



Dopartmont	Position Area	Level	VPAA #
Department			VFAA #
AE	Aerospace Engineering Design	Assistant	2020/21-18
CCEE	Sustainable Infrastructure Engineering	Assistant	2020/21-17
ECE	Digital Signal Processing	Assistant	2020/21-15
ME	Robotics & Control	Assistant	2020/21-16
Dean's Office	Assoc. Dean for Undergraduate Studies	Full	2020/21-58
			SDSU
Dean's Office	Assoc. Dean for Graduate Studies	Full	Internal



STATE OF THE COLLEGE



College Budget Update

2019/20 INSTRUCTIONAL BUDGET



T/TT & Ferp	Salaries [1]	Lecture	er Salaries [1]	TA Sa	alaries	GA Sa	aries [3]	ISA's (grad	ers) [4,5]	Start Up TA	A/GA Support [6]
COE		COE		COE [2]	\$358,884	COE		COE (MEP)	\$8,876	COE	
AE	\$1,076,980	AE	\$79,660	AE	\$29,381	AE		AE	\$17,248	AE	\$127,080
CCEE	\$1,487,336	CCEE	\$376,854	CCEE	\$1,933	CCEE	\$30,366	CCEE	\$36,512	CCEE	\$267,584
ECE	\$2,057,954	ECE	\$252,241	ECE	\$32,197	ECE	\$18,184	ECE	\$36,992	ECE	\$192,893
ME	\$1,771,672	ME	\$430,683	ME	\$11,568	ME		ME	\$76,160	ME	\$331,240
Total	\$6,393,942	Total	\$1,139,438	Total	\$433,963	Total	\$48,550	Total	\$175,788	Total	\$918,797
Budget Allo	ocation from A	AA [7]	\$11,100,518								
AY Salaries			(\$8,191,681)								
July/Augus	t 2019 Salarie	s	(\$1,394,102)								
Summer Sa	laries		(\$383,196)								
Start Up TA	/GA Support		(\$918,797)								
Balance [8,	9]		\$212,742								
Кеу											
COE - Colle	ge of Enginee	ering Dean	's Office (includ	es JDP Pro	gram)						
AE - Aerosp	oace Engineer	ing									
CCEE - Civil	, Construction	n & Enviro	nmental Engine	ering							
ECE - Electr	ical & Compu	ter Engine	eering								
	anical Enginee	-									
[1] Includes	s the 2.5% rais	se effectiv	/e 7/1/19								
[2] These a	re the JDP TA	s									
	are paid usin	• •									
[4] Doesn't	include the J	DP Hours a	allocated as they	are listed	l in the TA o	ategory					
[5] Includes	s Fall Only										
[6] Amount	t that has yet	to be sper	nt and will not al	l be spent	this acader	mic year					
[7] As of 10	/4/2019 - pull	ed from 7	/29/19 Top-to-B	ottom rep	ort from AA	+ known	revenues	not listed			
[8] Will nee	ed to cover Sp	ring ISA's	& any additiona	l spring hi	res not acco	ounted fo	r as of 10/4,	/19			
[9] We are	expecting mo	re revenu	ies due to Spring	FTES and	student de	mand fur	nding				

2019/20 OPERATIONAL BUDGET



General O	Operations [1]	Open U	niversity [3]	Equipm	ent	Reno	vations [4]	Star			s/Awards
COE [2]	\$264,391	COE	\$31,000	COE		COE	\$2,942,190	COE		COE [6]	\$172,153
AE	\$18,162	AE	\$39,953	AE		AE		AE	\$352,843	AE [7]	\$2,700
CCEE	\$9,788	CCEE	\$23,818	CCEE		CCEE		CCEE	\$811,805	CCEE [8]	\$11,062
ECE	\$13,714	ECE	\$47,299	ECE		ECE		ECE	\$394,973	ECE [9]	\$74,584
ME	\$9,380	ME	\$37,785	ME		ME		ME	\$1,181,711	ME [10]	\$31,559
Total	\$315,435	Total	\$179,855	Total	\$0	Total	\$2,942,190	Total	\$2,741,332	Total	\$292,058
Budget Al	llocation from .	AA [11,12]	\$6,641,637								
General C	Operations		(\$315,435)								
Open Univ	versity		(\$179,855)								
Equipmer	nt		\$0								
Renovatio	ons		(\$2,942,190)								
Start Up F	unds		(\$2,741,332)								
Centers/A	Awards		(\$292,058)								
Balance [1	13]		\$170,767								
Кеу											
COE - Coll	lege of Engine	ering Dean's	s Office (includ	es JDP Program)			[12] Bre	akdown of Allocat	ion	
AE - Aeros	space Enginee	ring							Carryforward fr	om 18/19	\$2,119,650
CCEE - Civ	vil, Constructio	n & Environ	mental Engine	ering					General Operat	ions Alloc	\$112,500
ECE - Elect	trical & Compu	iter Enginee	ering						19/20 Equipmer	nt Alloc	\$1,500,000
ME - Mech	hanical Engine	ering							19/20 Start Up F	unds	\$1,259,487
[1] Phone	es, computer ne	etwork cost	s, postage, etc.						Renovation Fun	ds	\$1,650,000
[2] Beside	es the above th	is also inclu	udes supplies, h	nardware maint	enance, f	aculty sea	rch ads,		Total		\$6,641,637
software	renewal costs,	EMS Facilit	y Usage, SA's fo	or help desk, IT	supplies						
[3] Carryfo	orward only Fa	II & Spring	still to come								
[4] Estima	ates included -	Renos asso	ciated with fac	ulty from all de	partment	s so listed	it all under COE				
[5]Include	es new 2019/20	020 start up:	s and remaining	g start up comm	nitments f	rom previ	ous years				
[6] One ti	me funds rece	ived from P	rovost to suppo	ort CSSE							
[7] Includ	es Summer Un	dergrad Pro	ogram								
[8] Includ	es Summer Un	dergrad Pro	ogram								
[9] Includ	es Smart Healt	h Institute,	Summer Under	rgrad Program,	SEC Fundi	ng					
[10] Inclue	des Sustainabl	e Energy Ce	nter, Summer	Undergrad Prog	ram						
[11] As of	10/4/19 - pulle	ed from AA	Budget report -	⊦addtl known t	ransfers						
[13] This y	will be needed	to cover th	e JDP Invoice f	rom UCSD							



UNDERGRADUATE PROGRAM UPDATE





Fall 2019 First-time Freshman

2019	Apps	Admits	Intent	Admits/Appl	Intent/Admits
CAL	6838	2574	531	38%	21%
BUS	10412	3744	893	36%	24%
ED	1467	453	145	31%	32%
ENG	6860	3201	636	47%	20%
ннѕ	10793	2270	712	21%	31%
PSFA	8378	2555	718	30%	28%
sci	19508	6715	1088	34%	16%
SDSU	69733	23704	5304	34%	22%

Fall 2018 First-time Freshman

2018	Apps	Admits	Intent	Admits/Appl	Intent/Admits
CAL	6639	2202	434	33%	20%
BUS	10253	3894	1028	38%	26%
ED	1568	429	126	27%	29%
ENG	6968	3325	805	48%	24%
ннѕ	10562	2308	795	22%	34%
PSFA	8240	2416	725	29%	30%
SCI	18649	6773	1169	36%	17%
SDSU	68903	23684	5747	34%	24%



RESEARCH & GRADUATE PROGRAM UPDATE

RESEARCH AWARDS TO ENGINEERING PIS



College of Engineering

Proposals Submitted by Engineering Faculty

	10/01/20)17 to 09/3	80/2018	10/01/201	Total Dollars Proposed		
Dept.	Total Dollars Proposed	Total Number of Proposals Submitted	Number of PIs with Proposals	Total Dollars Proposed	Total Number of Proposals Submitted	Number of Pls with Proposals	Change (%)
AE	\$1,713,670	16.3	6	\$2,979,673	23.2	7	73.9
CCEE	\$4,308,776	28.4	12	\$6,047,820	23.9	12	40.4
ECE	\$6,166,235	43.6	16	\$4,670,975	35.1	17	-24.2
ME	\$7,802,922	42.1	16	\$7,400,071	48.8	16	-5.2
TOTAL	\$19,991,603	130.4	50	\$21,098,539	130.9	52	5.5





Total Dollars Awarded to Engineering Faculty

	10/01/20)17 to 09/3	80/2018	10/01/2	Total Dollars Awarded		
Dept.	Total Dollars Awarded	Total Number of Awards	Number of Pls with Awards	Total Dollars Awarded	Total Number of Awards	Number of PIs with Awards	Change (%)
AE	\$713,245	7	3	\$1,033,092	14.34	5	44.8
CCEE	\$2,226,561	17.17	7	\$1,754,230	16	9	-21.2
ECE	\$1,609,373	20	9	\$2,112,861	17	9	31.3
ME	\$2,430,056	22.4	12	\$4,431,841	29.25	13	82.4
TOTAL	\$6,979,235	66.57	31	\$9,332,024	76.59	36	33.7

RESEARCH AWARDS TO ENGINEERING PIS



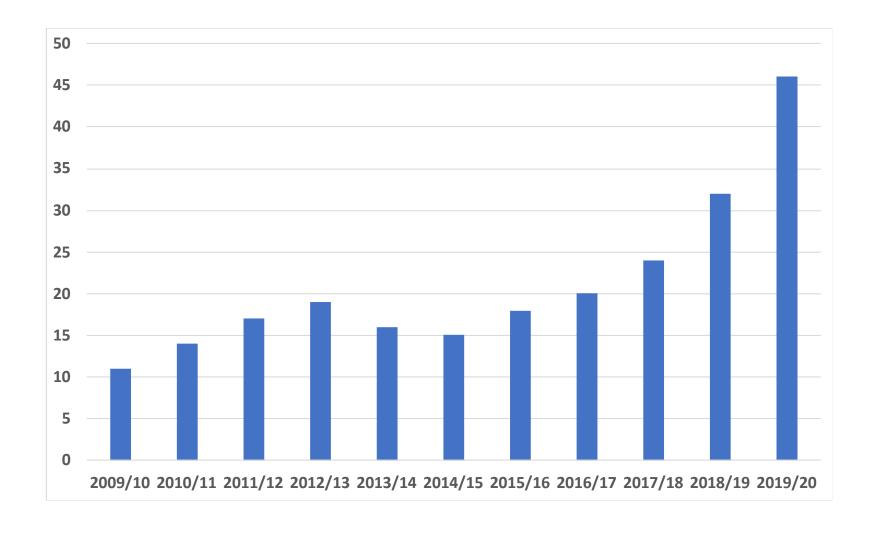
College of Engineering

Total Dollars Awarded to Engineering Faculty

Dept.	New	Competing Renewal	Competing		TOTAL
AE	\$939,070	\$0	\$58,072	\$35,950	\$1,033,092
CCEE	\$1,065,742	\$0	\$0	\$688,488	\$1,754,230
ECE	\$1,320,882	\$245,029	\$194,950	\$352,000	\$2,112,861
ME	\$2,453,193	\$350,000	\$1,207,419	\$421,229	\$4,431,841
TOTAL	\$5,778,887	\$595,029	\$1,460,441	\$1,497,667	\$9,332,024







MS PROGRAMS UPDATES



College of Engineering

Total Enrollment

Master of Science Degrees in	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019
Aerospace Engineering	37	32	32	33	30
Civil Engineering	83	72	60	60	59
Electrical and Computer Engineering	208	145	105	77	75
Mechanical Engineering	72	83	66	61	61
TOTAL	400	332	263	231	225



UNIVERSITY PLAN FOR DIVERSITY, EQUITY & INCLUSION

UNIVERSITY PLAN FOR DIVERSITY, EQUITY & INCLUSION



SAN DIEGO STATE UNIVERSITY

College of Engineering

DRAFT 7/8/19



One Comprehensive Strategic Plan for SDSU Strategic Plan + DEI Plan

SENATE Mandated Unit Diversity Plans

- Form a Diversity & Inclusion Committee to Create the Plan
- Prepare to Develop a Unit Diversity & Inclusion Statement
- Prepare for Environmental Assessment
- Collective Sensemaking
- Establish Goals and Objectives [D/C/A only]
- Identify Interventions and Strategies
- Submit the Plan
- Evaluation and Continuous Improvement

COE - DIVERSITY, EQUITY & INCLUSION COUNCIL



Committee Function:

The Diversity, Equity & Inclusion Council shall work with each CoE Department on the development of their Diversity & Equity Plan.

Committee Membership:

Chair of the Council shall be a Diversity Liaison elected by the Council at the beginning of each academic year. Members consist of (2) CoE Diversity Liaisons, (1) tenured or tenure/track faculty member from each Department, (1) full-time lecturer, (1) staff member, (1) graduate student, and (1) undergraduate student. The terms of the service committee members who are not students shall be two years, with no limit to the number of consecutive terms served. The terms of service for student committee members may be one or two years. This committee and structure was approved at the 8/7/2019 Executive Committee Meeting.

COE - DIVERSITY, EQUITY & INCLUSION COUNCIL (MEMBERS)



San Diego State University

College of Engineering

Diversity Liaisons

- Dr. Mahasweta Sarkar (ECE) Chair
- Theresa M. Garcia (Asst. Dean of Student Affairs)

Tenure/Tenure-Track Faculty

- Dr. Gustaaf Jacobs (AE)
- Dr. Thais Alves (CCEE)
- Dr. Joaquin Camacho (ME)

Full-Time Lecturer

• Dr. Parisa Kaveh (ECE)

Staff Member

• Michelle Bunn, Femineer® & STEM Outreach

Graduate Student

Maricruz Carillo

Undergraduate Student

- Olivia DiSanto (CESC President 2019-20)
- Sheridan Irvine (CESC VP of Programming 2019-20; CESC President's Designee

Fall 2019 CoE Important Dates to Remember

- San Diego State University
- Oct 10, 2019 (Thu) 1:30pm-2:30pm CoE Staff Mtg Engineering Dean's Conf. Room
- Oct 23, 2019 (Wed) 8:00am-4:30pm Provost Ochoa CoE Visit Bioscience Gold Auditorium
- Nov 15, 2019 (Fri) 8:30am-1:00pm Engineering Dean's Advisory Board Mtg Templo Mayor Conf. Room, Aztec Student Union
- Dec 3, 2019 (Tue) 11:00am-12:00pm CoE Faculty Mtg Bioscience Gold Auditorium
- Dec 5, 2019 (Thu) 1:30pm-2:30pm CoE Staff Mtg Engineering Dean's Conf. Room
- Dec 10, 2019 (Tue) 11:30am-1:00pm CoE Holiday Luncheon Cuicacalli Suites, The Garden
- May 6, 2020 (Wed) 8:30am-1:00pm Engineering Dean's Advisory Board Mtg Templo Mayor Conf. Room, Aztec Student Union
- May 6, 2020 (Wed) 1:30pm-4:00pm 2020 Engineering Design Day Montezuma Hall





□ Approval of 8/22/2019 CoE Retreat Minutes

□ Other Business?



DR. STEVE WELTER

VP RESEARCH & DEAN OF GRADUATE AFFAIRS

