



# CMAC

CONSTRUCTION MANAGEMENT  
ADVISORY COUNCIL



CAL POLY

NOVEMBER 3, 2023

# CMAC NOVEMBER 3RD

## Welcome

**Brad Denney, CMAC President**

Friday, November 3<sup>rd</sup> 8:00am – 3:30pm

CMAC Meeting Participants:

- Executive Committee
- Managing Directors Committee
- Board of Directors
- Chairs / Co-Chairs



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# CMAC VISION

“Assist the Construction Management Department in supporting the construction industry by developing consistently well-prepared and diverse graduates who have both superior technical and interpersonal skills to transform the construction industry.”

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8/9/2019

# GENERAL CMAC BUSINESS

**Brad Denney**, CMAC President

**Jeong Woo**, CM Department Head



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# CMAC BYLAW UPDATES

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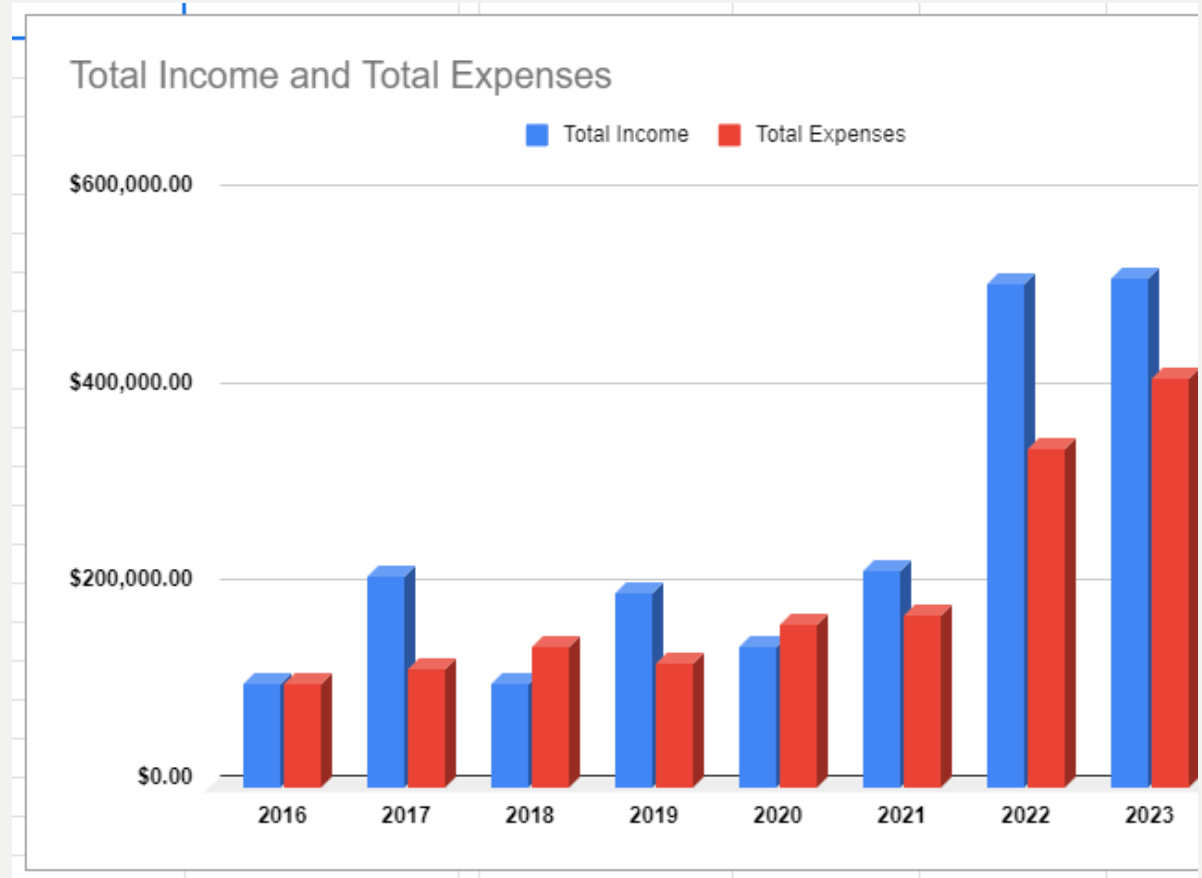
## DESCRIPTION AND PURPOSE OF CHANGES:

- Article 2 - Clarify donations vs membership dues
- Article 4 - Streamline committee structure.
  - Align the efforts between alumni engagement, membership & young alumni.
  - Distribute the responsibility of coordinating events and programs into the related committees.

# FINANCIALS

## Success of New CMAC Membership Structure

- Discuss 5% increase in dues year over year



# FINANCIALS

Opportunities to Support  
with forecasted balance

- Faculty In Residence
- Student Scholarships
- Site Tours
- Community Service  
(Rebuilding Together)

Revenues	(to 6/31/24)	(22/23)
CMAC Memberships	\$280,000	\$280,000
Recruiting & Consulting Opportunities	\$171,000	\$210,254
Total Revenue	\$451,000	\$490,254
Expenses		
Administrative Expenses	(\$245,000)	(\$212,107)
Operating Expenses	(\$184,500)	(\$202,938)
Total Expenses	(\$429,500)	(\$415,045)
Current Net Income	\$21,500	\$99,645
Current Balance (No Reserve)	\$507,201	\$485,701
Less Reserve (2 years admin expenses)	(\$424,214)	(\$298,716)
BALANCE	\$82,987	\$186,985

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# FINANCIALS

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Expenses			
Administrative Expenses	(\$39,007)	(\$245,000)	(\$212,107)
Operating Expenses	\$0	(\$184,500)	(\$202,938)
CMAC Meetings		(\$2,500)	(\$2,017)
CMAC Mixers		(\$9,000)	(\$3,754)
Student Support		(\$50,000)	(\$45,496)
Travel		(\$15,000)	(\$10,297)
Web Services		(\$5,000)	(\$7,450)
Fee for Service Expenses (Special Activity)		\$0	(\$11,373)
Special Events Expenses (Special Events)		\$0	(\$38,035)
Career Fair(s) Expense		(\$100,000)	(\$81,723)
Miscellaneous Operating		(\$3,000)	(\$2,793)
Total Expenses	(\$39,007)	(\$429,500)	(\$415,045)



# CAL POLY

## Construction Management

COLLEGE OF ARCHITECTURE  
& ENVIRONMENTAL DESIGN

**Jeong Woo**, CM Department Head



# CAL POLY







# CM DEPARTMENT UPDATES

**Jeong Woo**, CM Department Head



**CAL POLY**

# KEVIN DONG, INTERIM DEAN



# ENROLLMENT UPDATES - 2023

Freshmen - 114

Male -

Female students -

Transfer students - 3

Graduates in 2023-2024

140+ students are expected to graduate in 2022-2023

Change of Major in 2022-2023

There are 35+ students who were transferred from other majors at Cal Poly

117

INCOMING CM MAJORS

140+

EXPECTED GRADUATES

560+

CM MAJORS

80+

CM MINORS





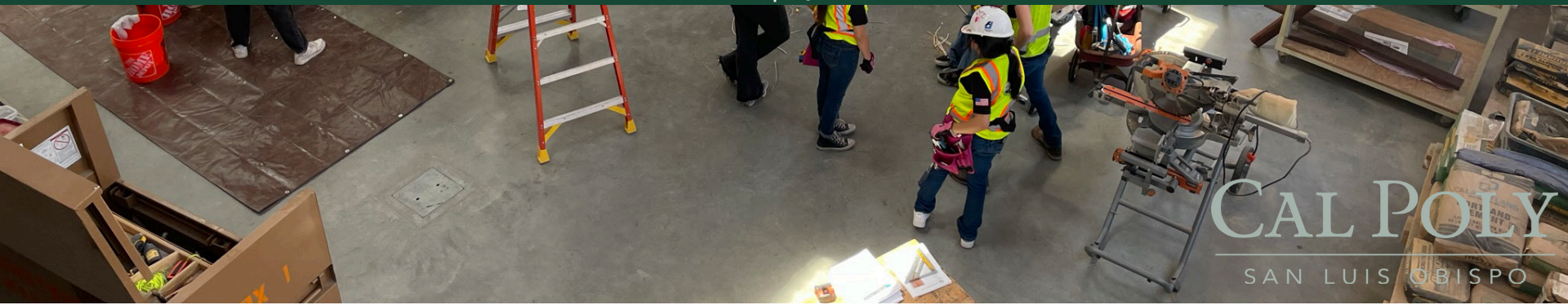
# CONSTRUCTION EDUCATION: GIRLS BUILD SUMMER ACADEMY

Advisor: Stacy Kolegraff

Student Representatives: Ange Witt and Jalene Gee

California Polytechnic State University

San Luis Obispo, California







20

girls

5

days

40

hours

35

companies

\$0

paid

# ACADEMY OVERVIEW

	Monday, July 17	Tuesday, July 18	Wednesday, July 19	Thursday, July 20	Friday, July 21	
7:30 – 8:00	Setup	Setup	Setup	Setup	Setup	
8:00 – 8:15	Sign-In & Breakfast	Sign-In & Breakfast	Sign-In & Breakfast	Sign-In & Breakfast	Sign-In & Breakfast	
8:15 – 8:30	Introduction & Industry Overview: Projects General Construction, T&S Structural, Turner Construction, Largo Concrete	Career Discussion: Carpenters’ Union	Electrical Careers & MEP: Taft Electric, Thoma Electric, Sprig Electric, Blach Construction	Sustainability: 3CREN	Breakfast Discussion: Earthwork and Underground	
8:30 – 8:45						
8:45 – 9:00		Tool training, Safety discussion, and team project overview	Tool training, Safety discussion, and team project overview	Tool training, Safety discussion, and team project overview	Equipment Rodeo: Granite Construction; Joseph Engineering; Earth Systems Pacific; Surveying?	
9:00 – 9:15						
9:15 – 9:30	Team Ice Breakers: <a href="#">The Marshmallow Challenge</a>	Carpentry Team Stations: Skill Saw & Nailing (4) Rough Wall Framing (2) Biscuit Joiner & Pocket Holer (2) Ceiling Joists (App2)	Wiring walls and overhead lights Stations: Wiring Walls (2) EMT bending (2) Soldering: (2) Wiring overhead: (App2) Individual Project Fill-In	Drywall installation stations: walls, ceilings, overhead; sheet metal stations; drywall taping (time permitting)		
9:30 – 9:45						
9:45 – 10:00						
10:00 – 10:15						
10:15 – 10:30	Tool Hand-Out	Clean Up	Clean Up	Clean Up	Jobsite Tour: Technology Park	
10:30 – 10:45						
10:45 – 11:00	Safety & Tool Training Stations: Table Saw (1) Chop Saw (2) Drills & Impact Drivers (2)	Work on Individual Projects Goal: Cut pieces & Glue Shelves	Clean Up	Lunch: Mortenson, Truebeck, Anning Johnson, Facilities Planning	Return to CM Building	
11:00 – 11:15						
11:15 – 11:30	Lunch & Leadership: Finding your Walk-Up Song Turner Construction	Lunch: Carpenters Union	Lunch: Career Pathways – College & Career: Taft, Thoma, Sprig, Blach	Lunch: Mortenson, Truebeck, Anning Johnson, Facilities Planning	Lunch: Sharing your Walk-Up Songs	
11:30 – 11:45						
11:45 – 12:00		Work on Individual Projects App1: Concrete Planters App2: End Table w/ Concrete Top App2: Concrete Pendants Goal: Place Concrete	Technology Demonstration: Drones	Jobsite Tour: Building 19 Gage, Facilities Planning	Work on Individual Projects	Finish up Individual Projects
12:00 – 12:15						
12:15 – 12:30	Campus Tour & Starbucks Run		Work on Individual Projects: Goal: Soldering & Wire Light	Sweet Treat Break		
12:30 – 12:45						
12:45 – 1:00	Service Project Introductions	Service Project Day 2 Activities	Service Project Day 3 Activities	Service Project Day 4 Activities	Finish up Service Project	
1:00 – 1:15						
1:15 – 1:30	Service Project Day 1 Activities	Service Project Day 2 Activities	Service Project Day 3 Activities	Service Project Day 4 Activities	Finish up Service Project	
1:30 – 1:45						
1:45 – 2:00		Service Project Day 2 Activities	Service Project Day 3 Activities	Service Project Day 4 Activities	Finish up Service Project	
2:00 – 2:15						
2:15 – 2:30	Service Project Day 1 Activities	Service Project Day 2 Activities	Service Project Day 3 Activities	Service Project Day 4 Activities	Finish up Service Project	
2:30 – 2:45						
2:45 – 3:00		Service Project Day 2 Activities	Service Project Day 3 Activities	Service Project Day 4 Activities	Finish up Service Project	
3:00 – 3:15						
3:15 – 3:30	Service Project Day 1 Activities	Service Project Day 2 Activities	Service Project Day 3 Activities	Service Project Day 4 Activities	Finish up Service Project	
3:30 – 3:45						
3:45 – 4:00		Service Project Day 2 Activities	Service Project Day 3 Activities	Service Project Day 4 Activities	Finish up Service Project	
4:00 – 4:15						
4:15 – 4:30	Clean Up and Wrap-Up	Clean Up and Wrap Up	Clean Up and Wrap Up	Clean Up and Wrap Up	Clean Up and Wrap Up	

# INDUSTRY INVOLVEMENT

	Monday, July 17	Tuesday, July 18	Wednesday, July 19	Thursday, July 20	Friday, July 21
Student Volunteers	Angeline Witt, CM	Angeline Witt, CM	Angeline Witt, CM	Angeline Witt, CM	Angeline Witt, CM
	Jalene Gee, CM	Jalene Gee, CM	Jalene Gee, CM	Jalene Gee, CM	Jalene Gee, CM
	Matteo Cuccaro, CM	Matteo Cuccaro, CM	Matteo Cuccaro, CM	Matteo Cuccaro, CM	Matteo Cuccaro, CM
Industry Volunteers:	Lindy Hatcher, Home Builders Association of the Central Coast	Rosie Cenicerros, 805 Carpenters Union	Chelsea, Taft Electric	Kay, Anning Johnson	Adam Souza, Granite Construction
	Christi Clayton, Projects General Construction	Scott Zimmerman, 805 Carpenters Union	Joe; Aaron; James, Taft Electric	Brynda Olson, Truebeck	Sunday, Joseph Engineering
	Bob Stephens, Largo Concrete, Inc.	Jessica Meadows, RRM Design Group (8-12)	Linh Tran, Sprig	Kelley Wathen, Truebeck	Chrystal Joseph, Joseph Engineering
	Michelle McCovey-Good; T&S Structural	Mary Ishikawa, Allstate	Amber, Thoma	Michelle Chariton, FPCP	Brian, Joseph Engineering
	Itzell Ruiz, Turner Construction	Randy Ishikawa, Lexis Nexis	Audrey Hendricks, Thoma		Rachell Smith, CCCE
	Ashley Garber, Turner Construction	Neetu Sidhu, Hensel Phelps	Morgan Guenther, Blach Construction	Lindy Hatcher, Home Builders Association of the Central Coast	Mackenzie Ramsey, County of SLO
	Cynde Spence, Jack Handley Construction Services		Erica Vasquez, Blach Construction		Rob Down, Earth Systems Pacific
	Jack Handley Construction Services	Carpenters Union	CoVelop	Cannon	Joseph Engineering
Lunch Sponsor	Turner Construction	Allstate	SESLOC	RRM Design Group	PCL Construction
Additional Sponsor	Sweet Treat: Precision Construction Services	Randy Ishikawa, Drones		Sweet Treat: Truebeck	
Lunch Presentation:	Itzell Ruiz and Ashley Garber, Turner Construction	Stacy, Students, Carpenters Union	Career and College	Career Paths; Brynda Olson, Truebeck?	Taylor Gilmore, Mortenson, VDC

Tool Sponsor: Build California

PPE Sponsor: Anning Johnson

Hardware Sponsor: Simpson Strong Tie

Camp Sponsors: Overaa, Specialty Construction, Inc, Build California

HBA Sponsors: Professional Women in Building, CoVelop, Estrella Associates

Material Sponsors:  CAL POLY Electric



# DAY 1: TOOL TRAINING AND CONCRETE



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# DAY 2: CARPENTRY



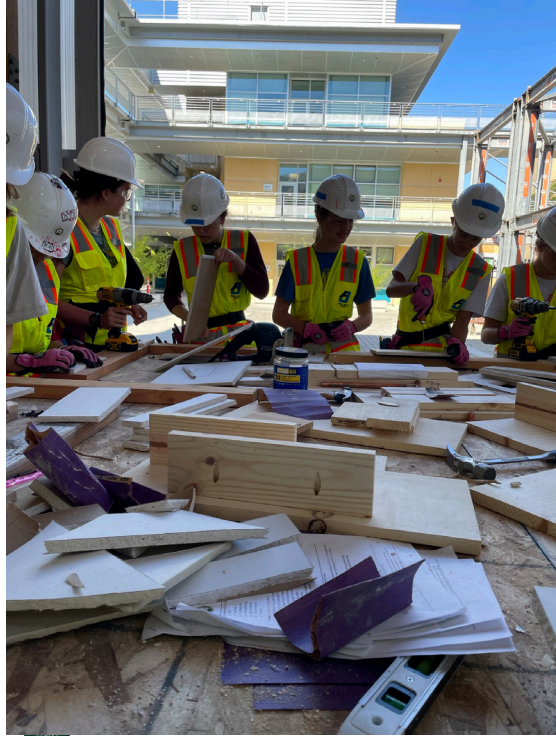


# DAY 3: ELECTRICAL





# DAY 4: DRYWALL



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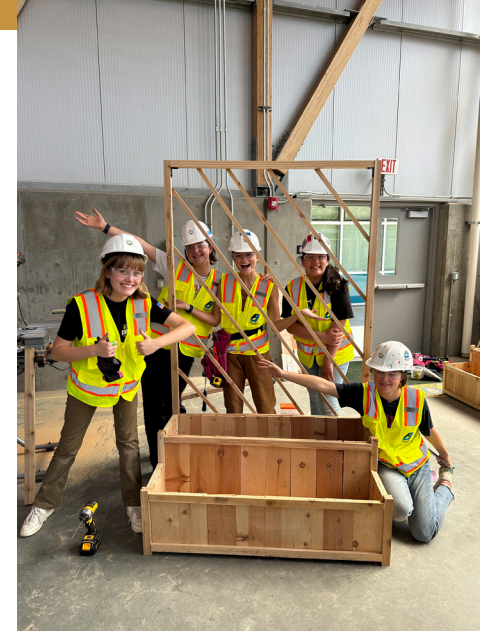
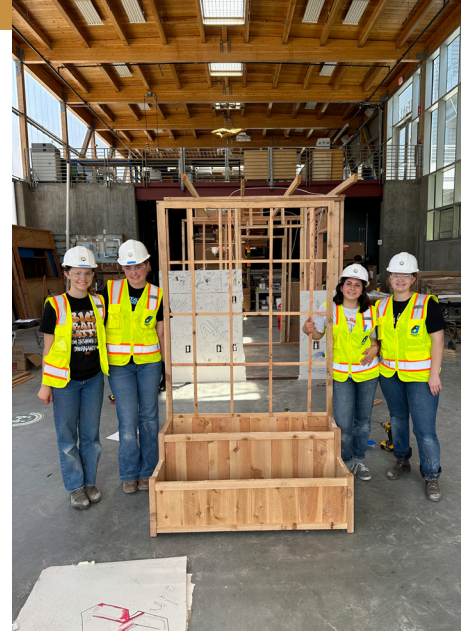
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CONSTRUCTION MANAGEMENT  
ADVISORY COUNCIL



# DAY 5: EQUIPMENT RODEO







## SERVICE PROJECTS

Apprentice 1's: Tiered Planter

Apprentice 2's: String Planter Boxes

Donated to the Turtle and Tortoise Sanctuary of Arroyo Grande



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# QUEST



# FACILITY UPDATES

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Jeong Woo



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# PACIFIC STRUCTURES CONCRETE LAB





# CMAC MIXERS

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Jeong Woo



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# SF MIXER – VEC



# SF MIXER – LEVEL 10





# SF MIXER - DPR



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# SD MIXER - SWINERTON



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# LA MIXER – LARGO CONCRETE



# BAY AREA MIXER – MCGUIRE & HESTER



# RECRUITING EVENTS

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Jeong Woo



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**Pankow BUILDERS**  
Mix your **PROFESSION** with your **PASSION**

Pankow, a leading Commercial General Contractor in the South West, invites you to join our team. We are looking for individuals who are passionate about construction and want to grow their careers. Joining our team offers many opportunities.

INFO SESSION	INTERVIEWS
Wednesday, October 10th 6:00pm - 7:00pm Call: 314-412-1111	Thursday, October 11th 9:00am - 12:00pm Call: 314-412-1111

Food and beverages provided!  
PANKOW.COM





**DISCUSSION TOPIC #2**

Emerging trends and future predictions for AEC Technology adoption over the next 3-5 years



**Chalhoub**  
Business Analytics  
Indin Electric  
CE+CM



**Shane Saltzgeber**  
Founder & CEO  
VEC  
CM + CDP

**MODERATOR**

Emerging trends and future predictions for AEC Technology adoption over the next 3-5 years



**Shane Saltzgeber**  
Founder & CEO  
VEC  
MODERATOR

**PANELISTS**



**Chalhoub**  
Business Analytics  
Indin Electric  
CE+CM



**Shane Saltzgeber**  
Founder & CEO  
VEC  
CM + CDP

**PANEL DISCUSSION TOPIC #2**

Emerging trends and future predictions for AEC Technology adoption over the next 3-5 years







# STUDENT SUCCESSES

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COMPETITION RESULTS

CARPENTER APPRENTICESHIP

NOTABLE STUDENT PROJECT

CLUB ACTIVITIES



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# ASC Competition

## Region 3

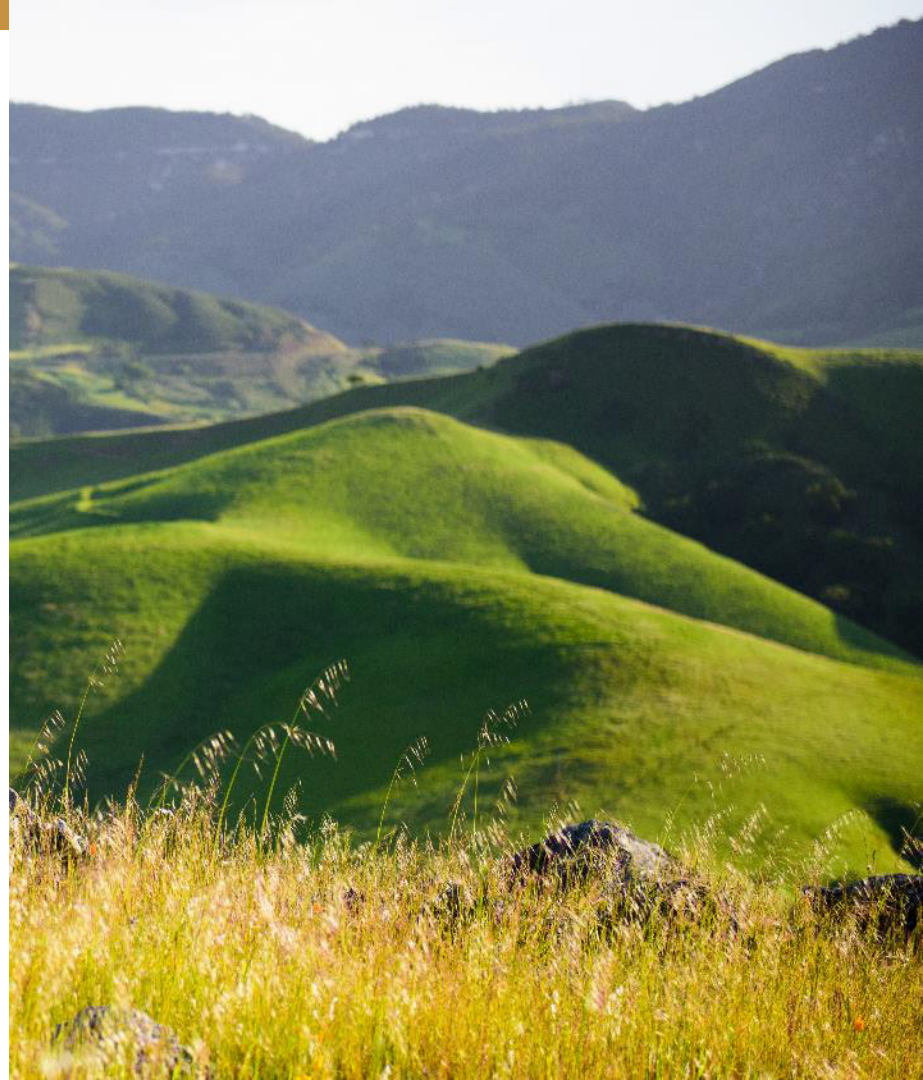


ASC Region 3 National Open Competition

Concrete

Electrical

Preconstruction





# SPONSORS



**BUILD**GROUP



# PRECONSTRUCTION TEAM





# CONCRETE TEAM



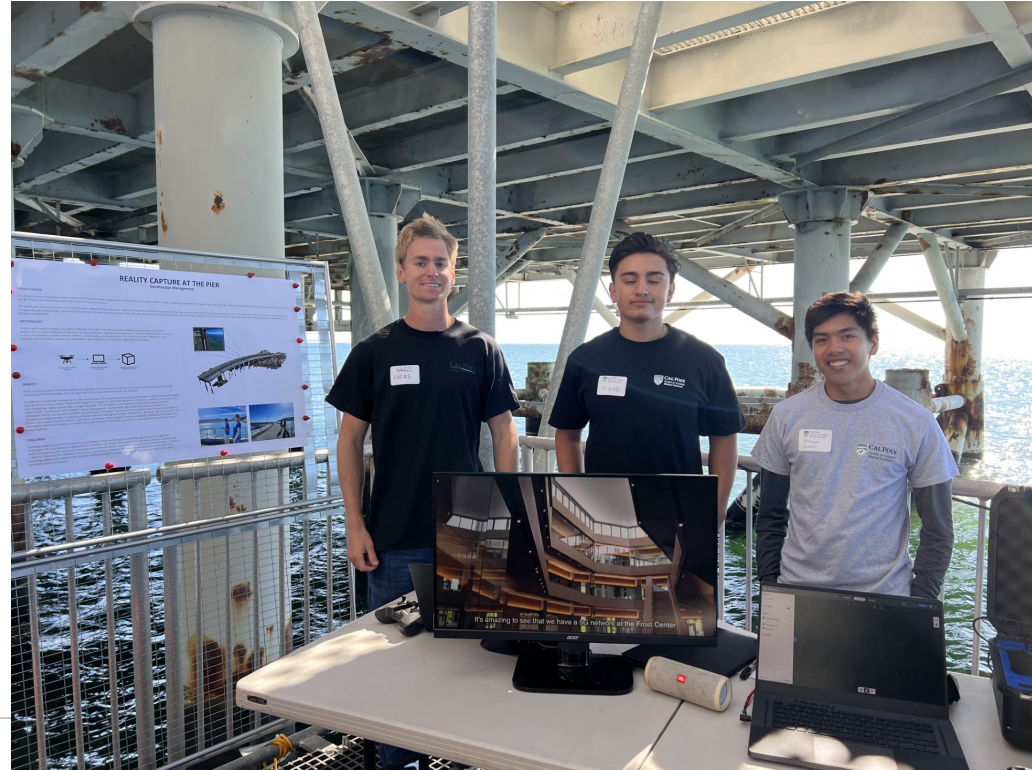
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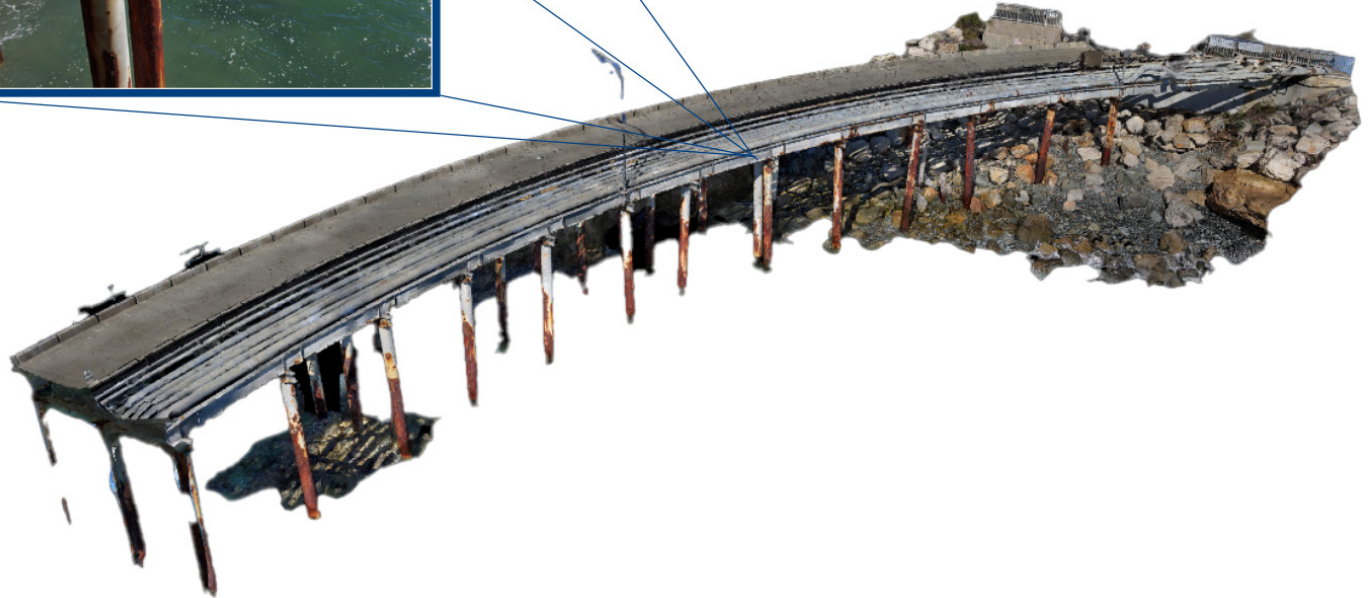


# ELECTRICAL CHAMPION



# DIGITAL TWIN TEAM







# FACULTY SUPPORT

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Jeong Woo



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# FACULTY INTERNSHIPS



1

Professional Development Tool for Faculty

2

Modeled after AGC Professional Faculty Internship Program, 2013

3

2-months Embedded in Day-to-Day Activities

4

Project Engineer / Assistant Project Manager

# LIZ ADAMS, PHD, PE (BACKGROUND)



- New to Cal Poly
- Civil Engineer
- Design Background
- Left Industry for Academia in 2008



# THE SUMMER EXPERIENCE

Westside Pump Station Reliability  
Improvements; San Francisco Public  
Utilities Commission

7-weeks in San Francisco

Observation and participation of day-to-day

- Design work
- Safety walks
- Attend owner meetings
- Engaging with subcontractors and owner
- RFIs and submittals







# OUTCOMES

- New Relationships
- Curriculum Enhancements
- Recommendations for Faculty Internship Preparation





# FACULTY IN RESIDENCE PROPOSAL

## Hiring CM Faculty during Summer Months

- Support dedicated and gifted CM faculty who cultivate talents
- Recruit and retain the highest-quality faculty
- Inspire innovation and creative ideas and bring updated knowledge back to the classroom - Students learn from the real world of innovation

## How does it work?

- CCCE and your company will create an agreement
- \$20,000 stipend from a sponsoring company
- \$10,000 stipend from CMAC (housing and moving cost)

# CMAC WEBINAR SERIES PROPOSAL

## Creating webinars for CMAC members and students

- Develop a series of “lunch and learn” webinars for knowledge exchange
- Provide educational and networking opportunities to our membership free of charge
- Share recordings/presentation copies with CMAC members
- Use recordings in the classroom

## How does it work?

- CMAC to select webinar topics
- Pair CM faculty with CMAC panels for each of the selected topics
- CM Faculty develop webinar materials with assistance from the panels
- Offer a \$1,000 honorarium per course for CM faculty to develop and execute webinars

# COMPANY NAMED PROFESSORSHIP

## Permanent Endowment / Impact

- Support dedicated and gifted CM faculty who cultivate talents
- Recruit and retain the highest-quality faculty
- Invest in specific areas of study
- Inspire innovation and creative ideas
- Students learn from the real world of innovation and discovery



# CMAC COMMITTEE REPORTS

**Brad Denney**, CMAC President



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# MANAGING DIRECTORS COMMITTEE

CMAC Leadership		Proposal for 2023-2024 and going forward			
	Committee	Managing Director	Co-Chair	Co-Chair	Faculty Representative
1	Community Outreach Committee	Bob Stephens	TBD		Bryan Knakiewicz
2	Construction Technology	Shane Saltzgiver	Cory Keller		Andrew Kline
3	Curriculum and Programs Committee	Jeff Grimm	Rod Hammett		Stacy Kolegraff
4	Development & Facilities Committee	Aaron Schlegel	Jeff Messana		Joe Cleary
5	Interdisciplinary Committee	Charlie Mallers	Michael Schussel		Mark Montoya
6	Specialty Contractors Committee	A.J. Chamorro	Keenan Brekke		Tom Kommer
7	Alumni Engagement & Membership	Jason Sommers	Reagan Milligan	Peter Riley	Jeong Woo
*	*Events are now handled by the respective committees				
	** Young Alumni and Membership and Growth are now merged into "Alumni Engagement & Membership"				
	"All Managing Directors will serve 2-year terms with a 4-year term limit, except student members who will serve a 1-year term. "				

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# DEVELOPMENT & FACILITIES

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## DESCRIPTION

THE DEVELOPMENT & FACILITIES COMMITTEE IS A CONDUIT TO SUPPORT THE DEPARTMENT FINANCIALLY TO MEET THE NEEDS BEYOND STATE FUNDING, INCLUDING ADDRESSING FACILITY NEEDS. THIS COMMITTEE PERFORMS THE FOLLOWING FUNCTIONS:

- REVIEW INITIATIVES AND CASE STATEMENTS RELATED TO PRIVATE FUNDRAISING ACTIVITIES ON BEHALF OF THE DEPARTMENT AND ITS STUDENTS AND MAKE RECOMMENDATIONS FROM THE PERSPECTIVE OF PRACTITIONERS AND ALUMNI
- ASSIST IN DEVELOPING CAMPAIGN STATEMENTS, PROMOTE CURRENT FUNDING INITIATIVES AND CONSIDER FUNDRAISING SUGGESTIONS FROM STUDENTS, FACULTY, AND DEPARTMENTAL AND COLLEGE ADMINISTRATION.
- REPORT TO THE BOARD ON SUCH ACTIONS NEEDED TO PROMOTE THE GOALS RELATED TO DEVELOPMENT AND FUNDRAISING FOR THE DEPARTMENT

## 2 YEAR GOAL

ASSIST THE DEPARTMENT IN ESTABLISHING SCHOLARSHIPS FOR STUDENTS AND ENDOWMENTS FOR PROFESSORS. ASSIST FACULTY IN SETTING UP PROJECT BASED CONSULTING WITH CMAC MEMBER ORGANIZATIONS OVER THE SUMMER



# DEVELOPMENT COMMITTEE

## ROCK #1

Establish an endowment for  
faculty

## STATUS

Ongoing – once donor request letter is  
approved, targeting initial list of  
companies for the 2024

## RESULTS

Donor request letter in for  
review with CMAC board and  
CM  
department. Comments/revis  
ions expected before the end  
of the year.

# DEVELOPMENT COMMITTEE

## ROCK #2

Continue to establish additional scholarships to assist students

## STATUS

Ongoing – targeting donor request letter to be established in 2024

## RESULTS

Waiting for review comments from the faculty endowment letter (will match formatting in the student scholarship donor letter).

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# CURRICULUM AND PROGRAMS

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# CURRICULUM & PROGRAMS COMMITTEE

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## COMMITTEE VISION

ACT AS A CONDUIT FOR THE ENTIRE CMAC TO PROVIDE CONTINUING GUIDANCE TO THE CM DEPARTMENT ON THE 25 SLOS AND HOW TO BEST PREPARE STUDENTS FOR A SUCCESSFUL CAREER IN THE CONSTRUCTION INDUSTRY.

## **2-YEAR GOAL**

- Support faculty as needed to shift curriculum from quarter to semester system
- Develop and implement a process and format for a cross section of the faculty to use the committee as a resource for curriculum content changes and improvements.

# CURRICULUM COMMITTEE

## ROCK #1

Meet w/faculty re:  
soils/formwork curriculum

## STATUS

Met w/faculty on 6/8/2023

## RESULTS

Finished

# CURRICULUM COMMITTEE

## ROCK #2

Meet w/faculty re: MEP  
curriculum

## STATUS

In Progress

## RESULTS

Pending



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# INTERDISCIPLINARY

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## DESCRIPTION

Support interdisciplinary education at Cal Poly by helping students develop a technical understanding of other disciplines, and empathy for other disciplines.

## 2-YEAR GOAL

- Support curriculum (technical understanding of other disciplines)
- Support connections / relationships (develop empathy for other disciplines)

# COMMITTEE MEMBERS

## Members

- Charlie Mallers (Chair)
- Mike Schussel (Co-Chair)
- Mark Montoya (Faculty)
- Kyle Spitznagel
- Rick Pomeroy
- Nick LaFollette
- Sean Graff
- Mike Thompson
- Erich Klemme
- Dara Lin
- Deidre Brearley
- Thomas Camargo

# INTERDISCIPLINARY COMMITTEE

## ROCK

Reach out to the clubs in the CAED to join the Alliance and CMAC assisting the students in networking with industry and each other in CAED.

Utilize the Alliance Events to Promote Goals.

## STATUS

- Developed Student Advisory Team
- Mark Montoya is Establishing a Faculty Advisory Team
- Established Event Calendar
  - Fall Mixer – Sept. 27th
  - ASCM/CMAC/Alliance BBQ – Sept. 28th
  - Speed Networking – January
  - CAED Collaborative – April
  - Spring Roundtable - May

## RESULTS

- Student Advisory Team:
  - Grace Arnold (CM)
  - Chris Lochner (CM)
  - Sam McClintock (CM)
  - Katie Mendoza (CE)
  - Morgan Miller (ARCH)
  - Sofia Micci (LA)
  - Vanessa Le (CRP)
  - Jared Schieferle (ARCE)
  - Alec Gibbs (ARCE)
  - Gasper Solorio (ARCE)



# April '23 - CAED Collaborative/Hasslein Cup Competition

- 5 Teams
- Representation from all 5 CAED majors
- "Reno-style" problem statement and presentations
- Second Annual Competition April '24





# Fall Alliance Social

- 78 Attendees (7 Majors Represented)
- Students, Faculty and Industry
- Solicitation of Grant Requests for Senior Projects
- Promotion of CAED Collaborative/Hasslein Cup Competition
- Promotion of CMAC/Alliance BBQ



# ASCM Kickoff BBQ Sponsored by CMAC and The Alliance

- Invites went out to all 5 CAED majors
- 120 pounds of Tri-tip
- CMAC T-Shirts distributed
- Collaboration with ASCM, CMAC and The Alliance



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# SPECIALTY CONTRACTORS

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## DESCRIPTION

The Specialty Contractor subcommittee works with the faculty to increase specialty contractor exposure, and develop a better understanding of how specialty contractors operate for all students. Creating stronger deliberate partnerships between General and Specialty Contractors, the Subcommittee provides informative and interactive experiences for students, both in the classroom and through extracurricular activities.

## 2-YEAR GOAL

- Specialty Contractor presentations in classes to generate increased/earlier exposure for students
- Create a hands-on experience with material donations and demonstrations
- Utilize and support clubs/competitions to create interdisciplinary focus
- See and track graduate placement statistics
- Overarching Goal: Achieve a cultural shift. Advocate for General and Specialty Contractors as trade partners.



# COMMITTEE MEMBERS

## Specialty Contractor Sub-Committee

Chair: A.J. Chamorro (Pribuss Engineering)

Co-Chair: Keenan Brekke (Pacific Structures)

### Members:

- Dom Cacciatore (Cupertino)
- Austin Eberle (Mcguire and Hester)
- Harrison Woods (Largo)
- Scott Metzinger (Anning Johnson)
- Chris Forster (Largo)
- Christi Clayton (Projects GC)
- Frank Nunes (Wall and Ceiling Alliance)
- Jackson Thomas (Webcor)
- Aaron Toney (Western Specialty Contractors)

# SPECIALTY CONTRACTOR COMMITTEE

## ROCK #1

Presentations in Classes

## ROCK #2

Hands on  
Experiences/Material  
Donations

## ROCK #3

Utilize and Support Clubs and  
Competition Teams to Create  
Interdisciplinary Focus

## STATUS

Stalled

Concrete Lab Complete  
Future Projects Ongoing

Ongoing

## RESULTS

Looking for another individual to  
spearhead

- Beam forms for concrete design course
- Pacific Structures Concrete Innovation  
Lab – Complete for start of Fall '23  
quarter, rallied over 10 subcontractors /  
vendors to donate

Need support in getting CM  
participation in Net Zero  
Competition January 2024

# CONSTRUCTION TECHNOLOGY IN EDUCATION COMMITTEE

## COMMITTEE VISION

THE CTEC STRIVES TO HELP INTEGRATE EMERGING TECHNOLOGIES INTO THE CAL POLY CM CURRICULUM. OUR GROUP OF INDUSTRY PROFESSIONALS SERVES AS A RESOURCE TO AND CREATES MEANINGFUL CONNECTIONS WITH STUDENTS AND FACULTY INTERESTED IN FURTHERING THEIR EDUCATION IN AEC TECHNOLOGY.

## **2-YEAR GOAL (UPDATED SPRING '23)**

- (E) AEC Tech Educational Conference (Fall '23 preferred or Winter '24)
- (E) Expand CTEC influence to all of CAED and CENG
- (E) Connect CM Tech Subject-Matter-Experts (SMEs) with Faculty for guest lectures & curriculum support
- (N) Build library of tech product examples from actual projects for use in CM courses
- (N) Senior Project Class Support – suggest tech related topics and provide industry resources for students
- (N) Support Smart Campus initiative



# CTEC COMMITTEE MEMBERS

**Chair:** Shane Saltzgiver, VEC

**Co-Chair:** Cory Keller, Truebeck

**Faculty Rep:** Andrew Kline

#	Name	Company	Member Status
1	Shane Saltzgiver (Chair)	VEC	Green – named CMAC member
2	Cory Keller (Co-Chair)	Truebeck	Mustang – named CMAC member
3	Andrew Kline (Faculty Rep)	N/A	N/A
4	Matthew Brady	Whiting-Turner	Legacy – 2nd CMAC Member
5	Kevin Williams	McCarthy	Gold – named CMAC member
6	Luis Esquivel	Hensel Phelps	Individual
7	Justin Porter	Truebeck	TBD
8	Trey Garcia	Truebeck	TBD
9	Trevor Houghton	McCarthy	TBD
10	Taylor Gilmore	Mortenson	TBD
11	Jeremy Futerman	Hathaway Dinwiddie	TBD
12	Thomas Will	Rosendin Electric	TBD
13	Jacob White	Novo	TBD

# CONSTRUCTION TECHNOLOGY IN EDUCATION COMMITTEE (CTEC)

## ROCK #1

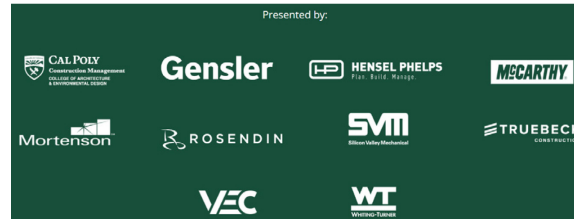
### Plan & execute on-campus event

#### "AEC Technology Day"

- Intended for Faculty/Students
- Multi-disciplinary (CAED, CENG...)
- Presentations & Panel Discussions
- Networking Event

## STATUS

✓ **Completed on 10/6/2023**



## RESULTS

- (11) Industry Speakers
- (50) Registered attendees
- (~30) Actual attendees
  - (18) CM
  - (4) ARCH
  - (3) CE
  - (1) EE
  - (1) CRP
  - (3) Industry

# INDUSTRY PRESENTERS & SPEAKERS



Alumni

CM + CRP

**Shane Saltzgiver**  
Founder & CEO  
VEC



Alumni

ARCH

**Rikki D. Dy-Liacco**  
Studio Director Senior Associate  
Gensler



Alumni

CM+ARCH

**Luis Esquivel**  
Sr. VDC Manager  
Hensel Phelps



Alumni

ME

**Ryan Wall**  
Partner and CEO  
Silicon Valley Mechanical



CE+CM

**Jad Chalhoub**  
Director of Business Analytics  
Rosendin Electric



Alumni

CM

**Trevor Houghton**  
Business Analyst, Operations  
McCarthy



Alumni

ARCH+CM

**Taylor Gilmore**  
Operating Group Integrated  
Construction Director  
Mortenson



ARCH+CM

**Matt Brady**  
Vice President  
Whiting-Turner



Alumni

ARCE

**Justin Porter**  
CTI Director  
Truebeck



+ Trey Garcia (Truebeck)



+ Max Eisner (Truebeck)



**CAL POLY**



# Thanks for all the support!

- CTEC + CMAC
- Jeong, Rachell, Andrew, Kelly
- Industry Partners
- Faculty & Students



## CAL POLY



# CONSTRUCTION TECHNOLOGY IN EDUCATION COMMITTEE (CTEC)

## ROCK #2

TBD

Committee needs to regroup  
during Q4 now that our major  
event for the year is complete  
as of 10/6/23.

## STATUS

## RESULTS



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# COMMUNITY OUTREACH

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## DESCRIPTION

The Community Outreach Committee is to engage and develop relationships with Community Colleges and High Schools, especially those with related technical programs, to promote the Construction Industry as a Profession and Cal Poly as the premier 4-year University for a Bachelor of Science Degree in Construction Management. This committee performs the following functions:

1. Develop strategies to increase Diversity and Inclusion in the Department
2. Identify outreach opportunities to high schools and community colleges to increase awareness of construction careers, especially for women, minorities and others underrepresented in our communities
3. Implement strategies in coordination with the Managing Directors Committee and the Department

## 2-YEAR GOAL

- Promote the goal of making the CM graduate representative of the Communities served by Cal Poly and the Construction Industry as a whole
- Increase awareness of programs that offer Public and Industry support to current and future CM students.
- Promote communication between the Cal State Universities and the Community Colleges with Construction related programs to foster higher education and careers in the Construction Industry.

# COMMUNITY OUTREACH

## ROCK #1

Gather Data

## STATUS

Committee needs stats  
updated annually

## RESULTS

Updated statistics are  
needed from CM Dept. to  
evaluate current student  
demographics, specifically  
related to goals to increase  
Transfer admission.

# COMMUNITY OUTREACH

## ROCK #2

Develop Content

## STATUS

Ongoing  
need **updated** pictures of  
Summer PE Interns,  
Carpenter Apprentice  
Interns

## RESULTS

Continue one page (elevator speech) why CM, outlined content to be included in handout to be given to potential students, highlights of program, financial opportunities, scholarships, clubs, senior projects, Income data, data base of pictures to be used for outreach



# COMMUNITY OUTREACH

## ROCK #3

Increase awareness at the Community College Level about Careers in Construction and Construction as a Profession.

## STATUS

Created presentation materials for use presentations to classes at Community Colleges in Construction related disciplines.

## RESULTS

Visited two Community Colleges in So Cal. Since initial visits others have expressed interest in continuing visits to CC's in their area.

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# ALUMNI ENGAGEMENT & MEMBERSHIP

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## DESCRIPTION

- (1) ADVERTISE AND PROMOTE MEMBERSHIP IN THE CMAC AMONG INTERESTED AND ELIGIBLE ENTITIES AND INDIVIDUALS.
- (2) REPORT TO THE BOARD ON SUCH ACTIONS NEEDED TO PROMOTE THE GOALS RELATED TO ALUMNI ENGAGEMENT AND MEMBERSHIP GROWTH
- (3) PROVIDE VALUABLE INPUT TO THE BOARD, THE OFFICERS, AND TO THE OTHER STANDING COMMITTEES FROM THE PERSPECTIVE OF CURRENT STUDENTS AND RECENT GRADUATES OF THE CONSTRUCTION MANAGEMENT DEPARTMENT.
- (4) PROMOTE, PLAN, AND CONDUCT RELATED EVENTS AND PROGRAMS THAT ALIGN WITH THE MISSION AND GOALS OF CMAC.

## 2-YEAR GOALS

TBD (NEED TO GET APPROVAL OF NEW COMMITTEE STRUCTURE AND THEN WE WILL DEVELOP)

# COMMITTEE MEMBERS

**Chair/MDC:** Jason Sommers (Cahill)

**Assist-Chair(s) (Nor-Cal):** Reagan Milligan (Blach) , Peter Riley (Trubeck)

**Assist-Chair(s) (So-Cal):** ???, Mike Schussel (Quiring)

**Faculty Members:** Rachell Smith & Scott Kelting

## Industry Members:

Marcus Staniford (XL Construction), Ryan Strong (Anvil Builders Inc), Tim Bolton (Hanover Company), Mike Drake (Holder Construction), Bill Johal (Kitchell), Jeremy Lopez (Technical Builders), Breanne Forster (Turner Construction), Linsey Vaquerano (Underground Construction Company, Inc), Jason Sommers (Cahill Contractors LLC), Torrie Peth (JB PACIFIC), Scott Murfey (Murfey Company, Inc.), Veda Guillermo (Abbott Reed), Matteo Cuccaro (Build Group Inc), Thomas Rogerd (Cahill Contractors ), madison lightfoot (Carmel Partners), Jeff Hadley (Hadley General Contractors, Inc.), Luke Z Martin (McCarthy Building Companies), Severin Elste (Morris Inc), Kristen Forster (PCL Construction), Sarah Smith (PCL Construction), Matthew Howell (PCL Construction ), Brendan Moynahan (PCL Construction ), Kobe Toooh (Prevost Construction), Alex Jones (Redwood Electric Group), Catie Dines (Swinerton), Gavin Beadle (Swinerton), Reed Aitken (Swinerton), Carsen Quick (Swinerton ), Peter Riley (Truebeck Construction), Reagan Tonda (Turner ), Deidre HASKELL (Deidre Brearley) ([www.haskell.com](http://www.haskell.com)), Rob Dasch (XL Construction), Matthew Keeth (Truebeck Construction), Peter Loeb (Shawmut Design and Construction), Josh De Mattei (De Mattei Construction), Erin Overaa (Overaa Construction), Bret Firebaugh (Pankow Builders), Sam D'Avanzo (XL Construction), Jerod Creese (XL Construction), Reagan Milligan (Blach Construction Company), Bruce Daseking (McGuire and Hester), Thai Nguyen (PCL Construction), Michael Schussel (Quiring General)



# ALUMNI ENGAGEMENT & MEMBERSHIP

ROCK#1	STATUS	RESULTS
<p>Triple CMAC Membership for the 2-5 year demographic (&gt;30 members) (dependent on free membership approval).</p> <p>Double CMAC Membership for 6-10 year demographic (&gt;20 members).</p>	<p><b>In Progress</b></p> <p>(1) Compiled membership engagement data.</p> <p>(2) Build CM alumni contact list by reaching out to companies with CMAC memberships and ask for Cal Poly Alumni contact lists, reaching out to recent graduates, and reaching out to engaged CMAC members for support. (complete by end of December)</p> <p>(3) Email Cal Poly alumni and market the benefits of joining CMAC (complete by end of January).</p>	<p>TBD</p>



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# CMAC COMMITTEE RECAP & NEXT STEPS

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- Focus on a SINGLE PRIORITY Rock to be completed by the all-hands meeting on May 31st.

# RIBBON CUTTING



**Pacific Structures**



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# LUNCH

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# INTERDISCIPLINARY DISCUSSION



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# SAVE THE DATE

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## CMAC MIXERS

- THURSDAY, 2/8/24

## CM CAREER FAIR

- THURS, 2/1/24

## CMAC ALL HANDS MEETING

- Friday, May 31<sup>st</sup> 2024

**THANK YOU**

**CMAC**

**CONSTRUCTION MANAGEMENT  
ADVISORY COUNCIL**



**CAL POLY**