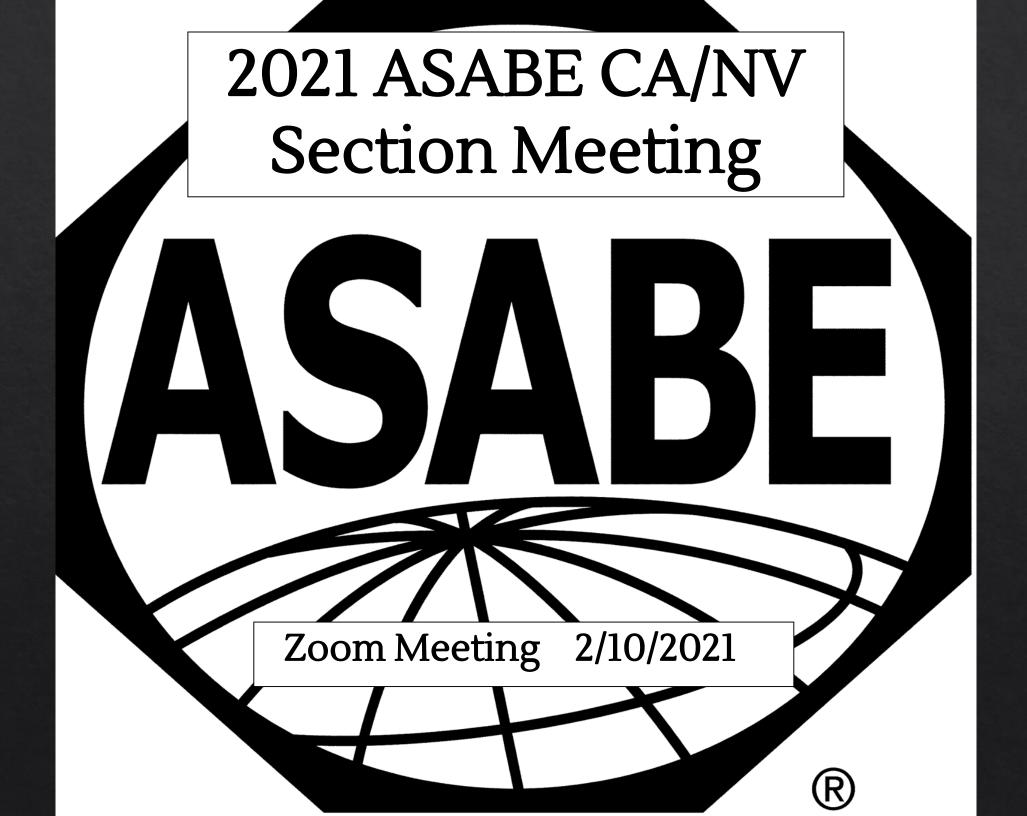
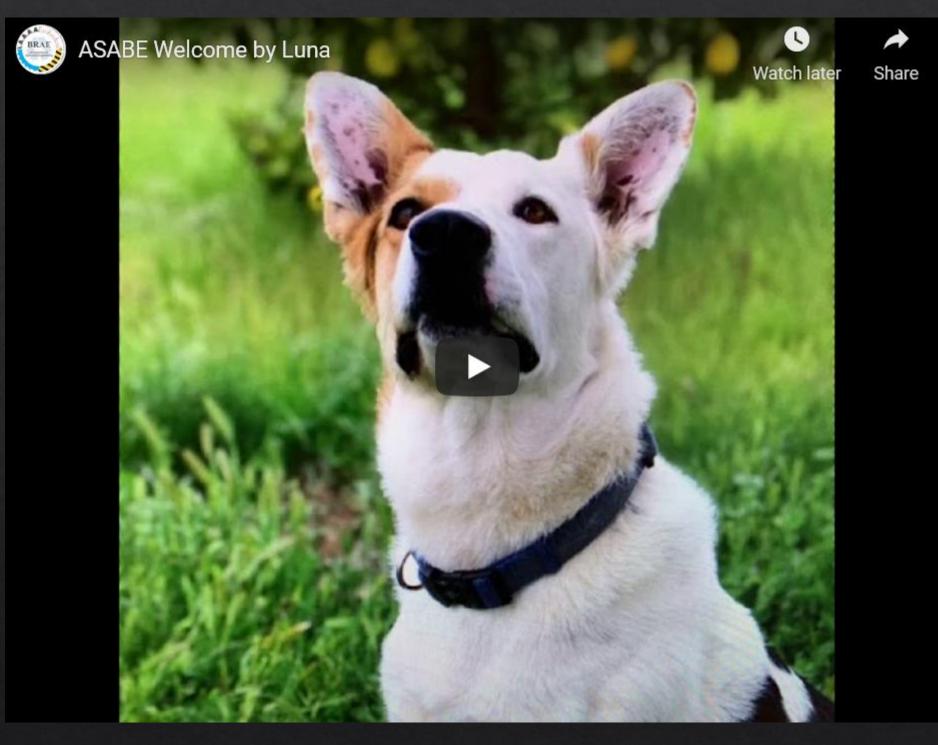


# Poster Competition

Award winners, posters, and video presentations available on the <u>ASABE CA/NV Awards Page</u>





### https://youtu.be/FknwPzCx6iw

5:00 PM 6:00 PM Meeting Agenda Welcome / Poster Competition **Business Meeting** Section Report **Student Rally Update Officer Elections** School Reports Awards: Posters, Membership, Engineer of the Year Sponsors ASABE Update: Candice Engler (President) Keynote: Post-Fire Recovery, Desi Ramirez & Liz Colby (USDA NRCS Engineers) **Closing Comments** Adjourn

7:00 PM 7:30 PM

8:10 PM 8:15 PM

# 2020 Officer Team

**Chair** – Lynn Groundwater Moeller, Provost and Pritchard Vice Chair – Tyler Barzee, UC Davis Secretary- Charles Hillyer, CSU Fresno Treasurer – Bo Liu, Cal Poly SLO **Past Chair** – Hossein Edalati, UC Davis **Program Chair** – Mohammad Sadek, Cal Poly SLO Membership Chair – Julie Meyers, USDA NRCS Public Relations – Irwin Donis-Gonzalez, UC Davis Awards Chair – Sushant Mehan, Formation Environment, LLC **Student/ Industry Liaison** – Steve Zicari, California Safe Soils **Career Development** – Carolyn M. Jones, USDA NRCS

# 2020 Activities

2020 Feb

2020 Annual Meeting

Mar-Jan Second Student Rally Planning

Mar-Oct

**By-Laws Update** 

2021 Jan Second ASABE CA/NV Student Rally

2021 Feb

2021 Annual Meeting

Tulare, CA 02/10/10

# 2021 Activities

**Bimonthly Updates (newsletter)** 

In Person Meetings/Events???

3<sup>rd</sup> Annual CA/NV Section Student Rally

Connect employers and students

Continue increasing membership

# Section Updates



#### Updates

- Jan 18th, 2021: 90th Update
- Annual Meeting Announcement (Feb 10th)
  - <u>Registration Link</u>
- <u>2021 Student Poster Competition</u> (due: Feb 8th)
- Proposed CA/NV By-Laws Revisions

#### ARCHIVES

- Nominate EOY/Officers by Jan 25th
  - Officer Nomination Form
  - EOY Nomination Form
  - Engineer of the Year Application
- 89th Edition November 30th, 2020
- Announcement: 2021 Section Student Rally

### https://asabecanv.org

# 2020-2021 Update: Membership

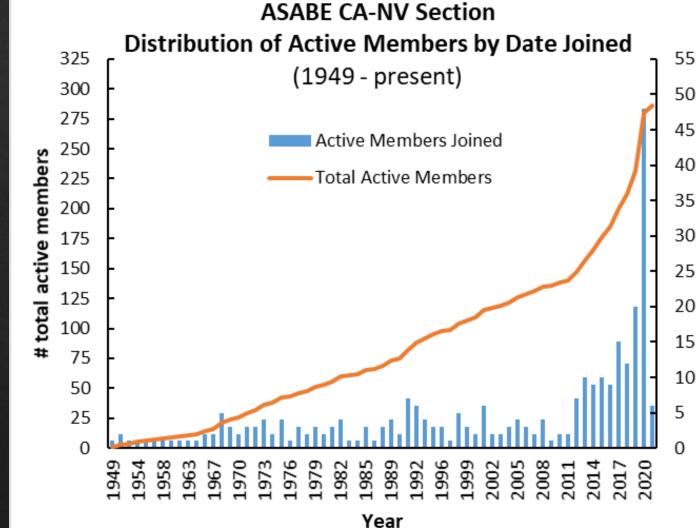
Orange line: Total membership

Blue bars: # of presently

active members joined in each year

 286 members as of 1/30/21

 48 new members in 2020



active members joined per year

• 9 new or reinstated members in 1/2021

# 2020 Treasurer's Report - Section

### **ASABE CA/NV Section 2020 Financials**

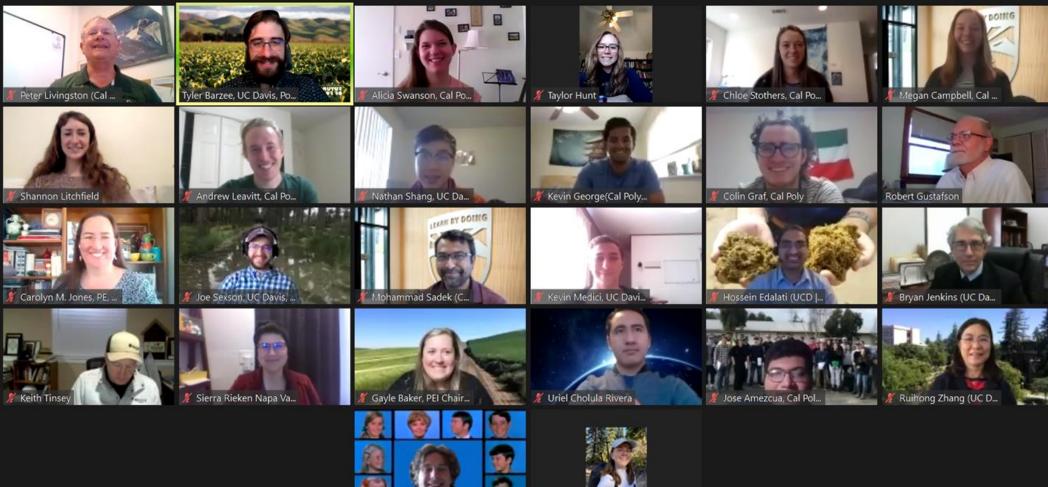
| Starting balance                                      |              | \$1         | 5,317.17                                | 2/11/2020    |
|---|--------------|-------------|---|--------------|
| etarting balance                                      |              | Ψ×          | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 2/11/2020    |
| Expenditures  |              |             |   |              |
| Withdrawal: Petty Cash (at door for registration)     |              | \$          | 300.00                                  | 2/12/2020    |
| Poster Awards   |              | \$          | 712.00                                  | 2/12/2020    |
| Catering, Ruiz Catering                               |              | <b>\$</b> 1 | 1,830.51                                | 4/3/2020     |
| Materials and supplies                                |              | \$          | 25.00                                   | 2/13/2020    |
|   |              | \$2         | 2,867.51                                | Total Exp.   |
|   |              |             |   |              |
| Receipts  |              |             |   |              |
| Deposit: Petty Cash (from change @ door registration) |              | \$          | 300.00                                  | 2/14/2020    |
| 2020 meeting registration                             | cash + other | \$          | 765.00                                  | 2/12/2020    |
| 2020 meeting registration                             | checks       | \$          | 787.00                                  | 2/12/2020    |
| ASABE Sectional funds                                 |              | \$          | 232.00                                  | 1/22/2020    |
|   |              | \$2         | 2,084.00                                | Total Recpt. |
|   |              |             |   |              |
| Ending Balance  |              | \$4         | 4,648.66                                | 2/8/2021     |
|   |              |             |   |              |

# 2020 Treasurer's Report - Rally

### **ASABE Student Rally 2020 Financials**

| Starting balance       | \$-         | 2/11/2019    |
|------------------------|-------------|--------------|
|                        |             |              |
| Expenditures           |             |              |
| EDC                    | \$ 166.99   | 2/8/2021     |
| Materials and supplies | \$ 1,727.64 | 2/8/2021     |
| Banquet                | \$ 1,482.94 | 1/23/2020    |
| Misc                   | \$ 1,340.49 | 2/8/2021     |
|                        | \$ 4,718.06 | Total Exp.   |
| Receipts               |             |              |
| Sponsorship            | \$ 4,910.00 | 2/11/2019    |
| Registration           | \$ 770.00   | 2/10/2020    |
| Misc                   | \$ 2,619.74 | 2/8/2021     |
|                        | \$ 8,299.74 | Total Recpt. |
| Ending Balance         | \$ 3,581.68 | 2/8/2021     |
|                        |             |              |

# Student Rally Update



Joshua Porter, Cal Pol

Emily Sechrist, UC Da...

# Student Rally Programming



#### PROGRAM AGENDA (Hosted Virtually by Cal Poly SLO):

- · Sat, Jan 16
  - 09:00 09:30 AM: Introduction
  - 09:30 10:30 AM: ASABE Leadership Panel
  - 10:45 11:30 AM: Undergraduate Student Panel
  - 11:30 12:15 PM: Graduate Student Panel
  - 12:30 02:00 PM: Happy Hour, Special Place Background, Trivia
  - o2:15 o3:30 PM: Business Meeting
- Sun, Jan 17
  - 09:00 10:00 AM: Career Panel
  - 10:15 11:00 AM: Engineering Licensure
  - 11:00 11:30 PM: Order of the Engineer Induction Ceremony
  - 11:45 12:45 PM: Engineering Ethics Discussion
  - o1:00 02:30 PM: Lunch & Virtual Farm Tours
  - o2:30 o3:30 PM: Sierra Nevada Brewery Virtual Tour

#### **Rally Materials**

- <u>Welcome Letter</u> –Cal Poly, SLO BRAE Dept. Head, Dr. Peter Livingston
- Sponsors: Learn about the sponsors who made this event possible
- <u>Student Rally Program</u> and <u>Speaker Bios</u>
- Attendees and Contact Info (Coming Soon!)
- Key Contacts in case you are having trouble
- Business Meeting:
  - <u>Agenda</u> and <u>Minutes</u>
  - <u>Rally Bylaws</u> (Adopted 1-19-2020)
  - <u>Rally Officers</u>: 2022 and 2021 officers, position descriptions
- <u>2021 Rally t-shirt</u>: front and back
- <u>Photos</u>: Please upload your screenshots to our Rally Photo Album
- <u>Why Join ASABE</u>? Benefits of ASABE Membership

### https://asabecanv.org

# Inaugural ASABE CA/NV Section Student Rally





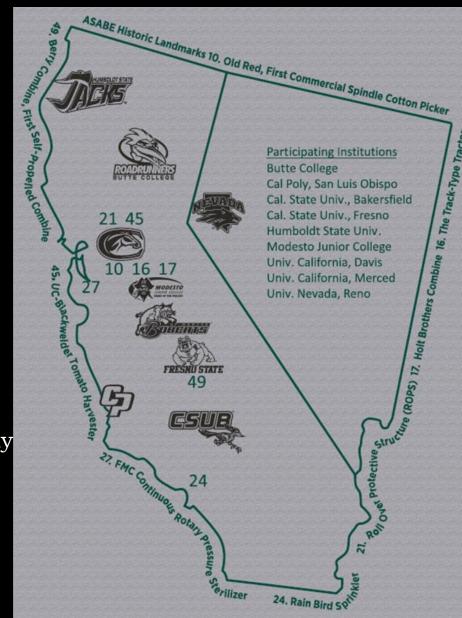
#### January 16-17, 2021

#### 2020-2021 Leadership



Past President – Tyler Barzee, UCD President – Jose Amezcua, Cal Poly Vice President – Taylor Hunt, MJC Secretary – Brandon Salazar, UCM Treasurer – Luis Villanueva, Cal Poly Parliamentarian – Michael Souza, UCM Regional Advisor – Peter Livingston, Cal Poly









Becoming a Licensed Engineer – A Brief Guide

Bornord by Na PEI Professorial September Seatting %ASABE

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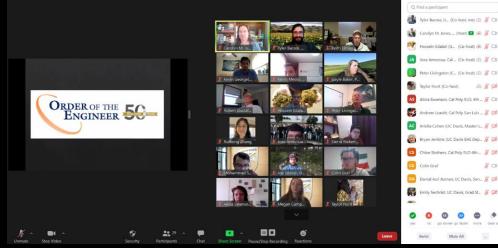
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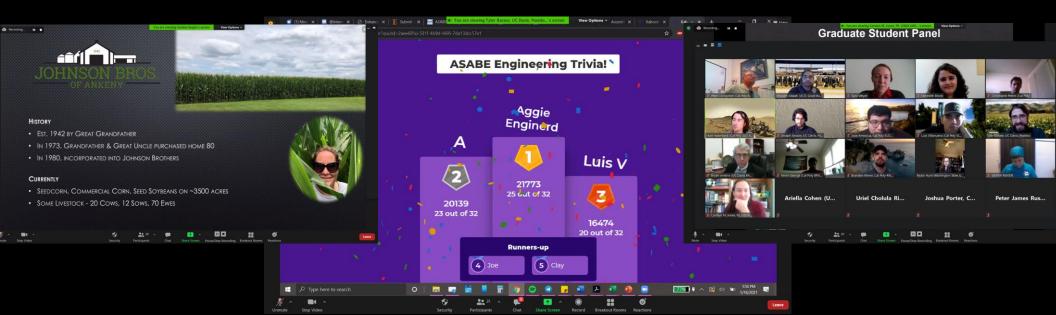
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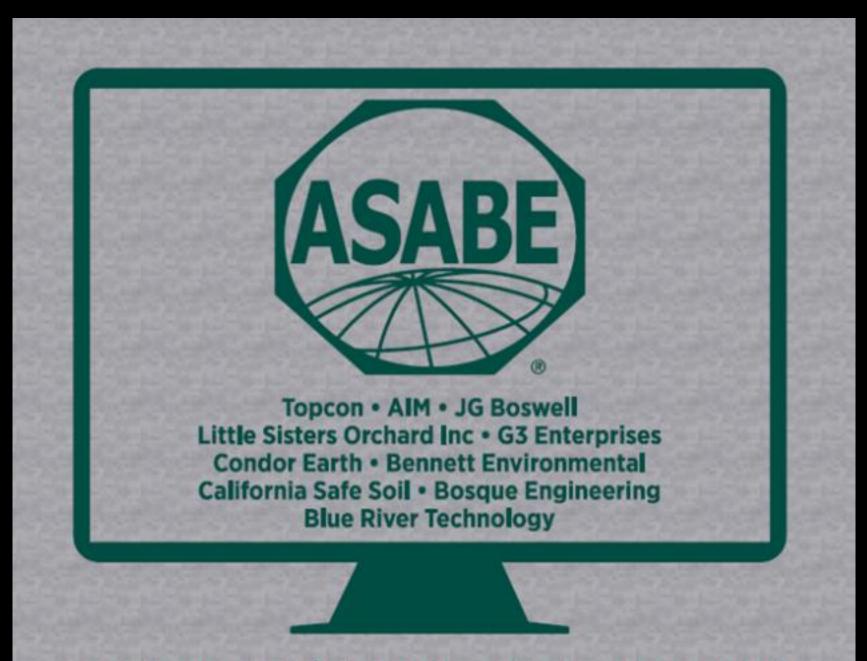
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| QI  | Find a participant                             |              |
|-----|--|--------------|
| 1   | Tyler Barzee, UC Davis, Pos (Co-host, me) 🕢    | # 0          |
| 13  | Carolyn M. Jones, PE, USDA N (Host) 🧧 🙆        | # 00         |
|     | Peter Livingston (Cal Poly BRAE) (Co-host)     | \$ p         |
| A.  | Hossein Edalati (UCD   Grad St (Co-host) 🕥     | # 12         |
| JA  | Jose Amezcua, Cal Poly SLO, Ju., (Co-host) 🕥   | Nº pat       |
| sz  | Steve Zicari - CSS (Co-host)                   | ¥ 0          |
| 1   | Taylor Hunt (Co-host)                          | # 125        |
| ß   | Gayle Baker                                    | ÷ 🗅          |
| SJ  | Sonia Jacobsen                                 | <b>₽</b> 01  |
| Ş   | Andrew Leavitt, Cal Poly San Luis Obispo, 4th. | <i>%</i> på  |
| AC  | Ariella Cohen (UC Davis, Master's Student)     | <i>¥</i> 0   |
| -   | Bryan Jenkins (UC Davis BAE Department Ch.     | # 0          |
| cs  | Chloe Stothers, Cal Poly SLO 4th Year          | <i>¥ 526</i> |
| DA  | Danial Azri Azman, UC Davis, Senior            | A 128        |
| 0   | 0 0 0 0  |              |
| yes | no go slower go faster more                    | dear all     |





### Thank You to our 2021 Rally Sponsors!



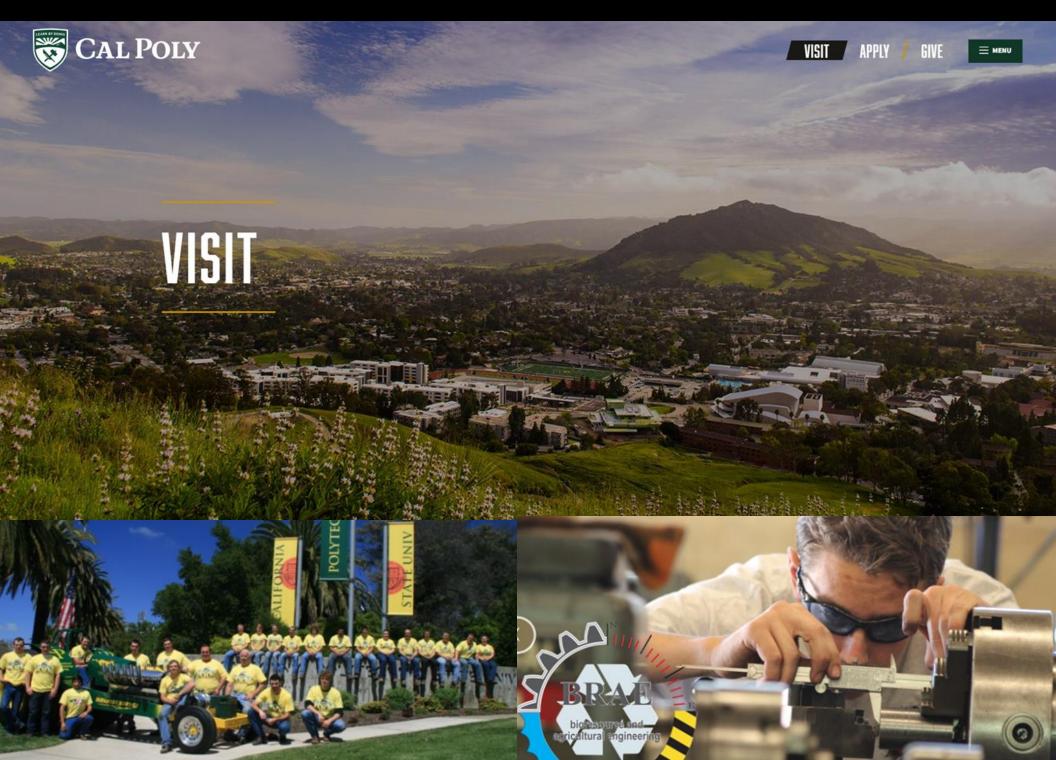
### 2nd Annual CA/NV Section Student Rally 2021

# Thank you to our 2020 Rally Sponsors



Tulare, CA 02/10/10

# Third Annual ASABE CA/NV Student Rally



# **By-Laws Update**

#### CALIFORNIA/NEVADA SECTION CONSTITUTION AND BY-LAWS May 5, 1992 Revised January 13, 2004 Revised January 6, 2010 Adopted February 10, 2010 Revised October 12, 2020

Each unit may adopt its own By-laws for the conduct of affairs, provided such By-laws are in harmony with the Constitution, By-laws and Rules of the Society, and are recommended by the California/Nevada Executive Committee and approved by the Membership Development Council, and provided also that every publication of such By-laws be prefaced with a copy of this rule.

http://www.asabe.org/membership/handbook.html

# 2021 Officer Nominees: Executive Committee



Chair

Lynn Groundwater, PE Senior Engineer Provost & Pritchard



Vice Chair

Tyler Barzee, PhD Postdoctoral Scholar UC Davis Bio & Agricultural Engineering Dept

Treasurer

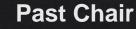
Mohammad Sadek, PhD Faculty CalPoly SLO BioResources & Ag Engineering Dept



Secretary

Charles Hillyer, PhD Director CSU Fresno Center for Irrigation Technology

Carolyn M. Jones, PE Bay/Delta Team Agricultural Engineer USDA Natural Resources Conservation Service



# 2021 Officer Nominees: Standing Committees



#### Membership

Programming

Kristen Perano, PhD

Agricultural Engineer USDA Natural Resources Conservation Service

Irwin Donis-Gonzales, PhD Faculty & Asst. Cooperative Extension Specialist UC Davis, Bio & Agricultural Engineering Dept

**Public Relations** 

Sushant Mehan, PhD Postdoctoral Scholar

Postdoctoral Scholar Ohio State U; Food, Ag, Bio Engineering Dept

Student-Industry

Steve Zicari, PhD PE Chief Technology Officer California Safe Soils



Career Development

Luis Cabrales Arriaga, PhD Chair CSU Bakersfield, Physics & Engineering Dept

Awards Chair

Manuel Andrade, PhD Faculty UN Reno; Ag, Vet, & Rangeland Science Dept



# 2021 Officer Nominees

### Nominee Bios: https://bit.ly/2Z5IBLs

### **EXECUTIVE COMMITTEE**

| Chair      | Lynn Groundwater, PE | Provost & Pritchard, Sr. Engineer |
|------------|----------------------|-----------------------------------|
| Vice Chair | Tyler Barzee, PhD    | UC Davis BAE, Postdoc Scholar     |
| Treasurer  | Mohammad Sadek, PhD  | CalPoly SLO BRAE, Faculty         |
| Secretary  | Charles Hillyer, PhD | CSU Fresno CIT, Director          |
| Past Chair | Carolyn M. Jones, PE | USDA NRCS, Bay/Delta Team Engr    |

#### **STANDING COMMITTEE**

| Membership         | Kristen Perano, PhD       | USDA NRCS, Engineer           |
|--------------------|---------------------------|-------------------------------|
| Programming        | Irwin Donis-Gonzales, Phi | D UC Davis BAE, Faculty       |
| Public Relations   | Sushant Mehan, PhD        | OSU FABE, Postdoc Scholar     |
| Student-Industry   | Steve Zicari, PhD         | California Safe Soils, CTO    |
| Career Development | Luis Cabrales Arriaga, Ph | D CSUB Physics & Engr, Chair  |
| Awards Chair       | Manuel Andrade, PhD       | UN Reno, AVR Sciences Faculty |

# School Reports

Tulare, CA 02/10/10





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Agriculture Department Office AHPS 251 (530) 895-2551 BC Home > Career & Technical Education > Agriculture >

#### Mechanized Ag

#### About the Program

The Mechanized Agriculture program offers students an option to earn either a one-year Certificate of Achievement or an Associate in Sciences Degree. An exciting, hands-on approach introduces students to a wide range of mechanical skills dealing with the operation, maintenance and repair of small to midsize gasoline, diesel and electrically-operated equipment. Problem solving, emphasizing safe and cooperative work habits, is encouraged. Success in this program will be enhanced by high school work in shop and basic skills classes.

#### **Career Opportunities**

Wherever power equipment is operated, maintained, or repaired, there exists a need for well-trained employees. Production agriculture and its equipment suppliers, the rental industry, landscape businesses, recreation and construction industries are just a few of the employment possibilities. Upon completion of the Associate in Sciences Degree, students may transfer to one of the California state universities which offer a Bachelor's Degree in Mechanized Agriculture.

Course Requirements for Associate of Science Degree and Certificate of Achievement in Mechanized Agriculture.

#### **Contact Information:**

Bruce Enyeart, Advisor Agriculture 530-895-2418 enyeartbr@butte.edu

Department Office: AHPS 251 Department Phone: 530-895-2551 Department Fax: 530-895-2443

For more information on recommended sequence of study and required courses for the major, view the Butte College Catalog.

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### CAL POLY

# BioResource & Agricultural Engineering Department

Engineering and systems management support for agriculture

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**BioResource & Agricultural Engineering Department** 



Undergraduate Majors



M.S. Graduate Programs 

| Agricultural Systems Mgmt (ASM)            | <u>Geographic Information</u><br><u>Systems (GIS)</u> | M.S. Water Engineering                            |
|--|---|---|
| BioResource & Agricultural Engr.<br>(BRAE) | Water Science   | M.S. Agriculture, Specialization in<br>Irrigation |
|  |   | M.S. Ag., Spec. in Ag Engineering<br>Technology   |



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### PHYSICS AND ENGINEERING



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#### Move ahead.

This is an exciting time to study Physics and Engineering at CSU Bakersfield! Students will utilize our new state-of-the-art 5,000 square foot engineering facilities and physics laboratories. The programs include a strong foundation in physics and engineering. You will also be able to take elective courses from many areas, such as physics, enery engineering, power engineering, petroleum engineering, biosystems & agricultural engineering, electrical engineering, and computer engineering.

At CSUB, students enjoy exceptional opportunities to work closely with faculty.

### Department of Physics and Engineering

California State University, Bakersfield 9001 Stockdale Highway Bakersfield, CA 93311-1022

Phone: (661) 654-2664 Fax: (661) 654-6960 Email: physics@csub.edu Office: Science III, Room 308





### Agricultural Systems Management SIAI Major Option in Industrial Technology Jordan College of Agricultural Sciences and Technology

### **Department of Industrial Technology**

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### Welcome to the Department of Industrial Technology!



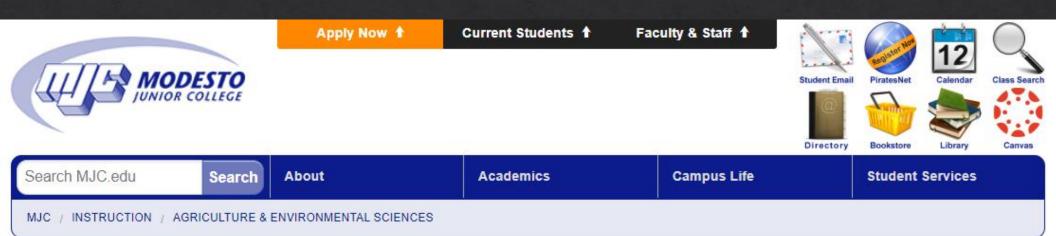




### Fresno State Update Dr. Balaji Seth Agricultural Systems Management Jordan College of Agricultural Sciences and Technology

### TREE NUT PROCESSING COURSE LABORATORY

Construction is underway at California State University, Fresno for the Tree Nut Processing Course. This lab & lecture structured course will provide students with an in-depth look at various equipment, technologies and programs that assist tree nut hulling, shelling and processing operations throughout the season. Thanks to generous support from Western Ag Processors Association Board Member Dan Pronsolino (Dunnigan Hills Hulling & Shelling), Gary Dunn (Wonderful Pistachios); Tomra, Nolin, Forsberg, Wonderful, Cortina Hulling and Shelling, and Capay Canyon Ranch for their equipment donations; and a big thank you to Excelsior Construction and JTI for their installation expertise.



#### Agriculture & Environmental Sciences

Home Agriculture Faculty & Staff Ag Events Programs/Departments:

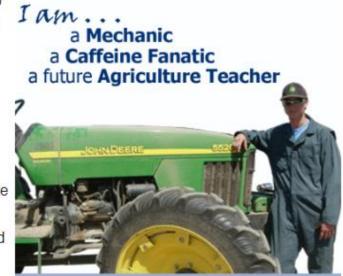
Agriculture Business Agriculture Science Animal Science Dairy Science Environmental Horticulture Equine Science Irrigation Technology

### **Mechanized Agriculture**

Modesto Junior College Mechanized Agriculture is dedicated to the success of all students, whether that success comes in the form of skills to assist with career placement or meeting educational needs of students that are in pursuit of further education and advanced degrees. Modesto Junior College believes that all students have the potential for success.

Located in the heart of California's Central Valley, Modesto Junior College has the opportunity to bring real world agriculture situations into the classroom on a daily basis. We pride ourselves on developing leaders for the agriculture industry and look forward to serving community needs for years to come.

Faculty Advisor: Steve Amador (209) 575-6215 <u>amadors@mjc.edu</u>



I am MJC.

#### Tulare, CA 02/10/10

### BIOLOGICAL AND AGRICULTURAL ENGINEERING

GRADUATE

Mission

COLLEGE OF ENGINEERING

COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES



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Western Center for Agricultural Equipment The mission of the Department of Biological and Agricultural Engineering is to discover, develop, apply, and disseminate knowledge for the sustainable production, management, and use of biological materials, and to educate students for this work.

### **KEY AREAS OF EXCELLENCE**

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Tulare, CA 02/10/10

# Awards

- 1. Poster Competition Winners
- 2. Years of Membership Milestones
- 3. CA/NV Section Engineer of the Year Award

# **Poster Competition Winners**

Undergraduate 1<sup>st</sup> Place – Panattoni 2<sup>nd</sup> Place – Li 3<sup>rd</sup> Place – n/a Graduate Student 1<sup>st</sup> Place – Araujo 2<sup>nd</sup> Place – Mayanjya 3<sup>rd</sup> Place – Dien 4<sup>th</sup> Place – Chio

# Awards

- 1. Poster Competition Winners
- 2. Years of Membership Milestones
- 3. CA/NV Section Engineer of the Year Award

# Years of Membership Milestones

40 Years – Satyansu Kundu
40 Years – William W. Seiders
25 Years – Wendy J. Powers

72 Years – Wesley E. Yates

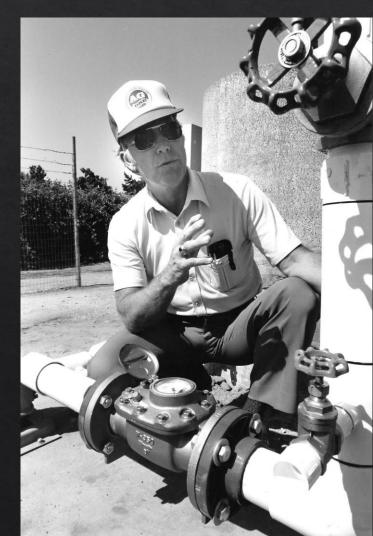
- 70 Years John R. Goss
- 70 Years Robert B. Skromme
- 69 Years Wiley H. Henson, Jr.
- 67 Years Bill A. Stout
- 64 Years William R. DeTar
- 64 Years John C. Siemens
- 62 Years Donaldson S. Taylor
- 60 Years Edward M. Norum

# Awards

- 1. Poster Competition Winners
- 2. Years of Membership Milestones
- 3. CA/NV Section Engineer of the Year Award

# Engineer of the Year Award

Edward Norum graduated from the University of Minnesota in 1953 with a degree in Agricultural Engineering. While still in college, he met a recruiter for the Hawaiian Sugar Planter's Association (HSPA) Experiment Station and shortly after graduation boarded a Boeing Stratocruiser headed to Honolulu, Hawai'i. For 68+ years, Norum has worked on engineering and irrigation projects in over 20 countries and the United States, including 35 years in California. He served as the first director of the Center for Irrigation Technology (CIT) at California State University, Fresno where he is still active in research, testing, and standards work. Norum holds four patents with the most recent patent issued in 2020 for a drip line hydrocyclone.



# 2021 Sponsors

### Ag Industrial Manufacturing, Inc.

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# ASABE Update



Candice Engler ASABE President

Tulare, CA 02/10/10

## Keynote Speech Post-Fire Recovery Assistance Desi Ramirez & Liz Colby, USDA NRCS Engineers



#### Desi Ramirez, P.E.

Desi started working for the USDA Natural Resources Conservation Service (NRCS) in June 2005 and worked as a Field Office Engineer in the Somis, El Centro, and Salinas offices. She became an Area Engineer in 2011. Desi's post-fire response experience began in 2008 with the Basin-Complex fire in Big Sur and has continued through the recent River-Carmel and Dolan Fires. She earned a BS in Environmental Resources Engineering from Humboldt State University in 2005. Desi became a Professional Civil Engineer NRCS Technical Service Provider (TSP), design engineer at the Resource Conservation District of Monterey County (RCDMC),

and managed the irrigation design team for RDO Equipment/RDO Water in the Southwest US and Mexico. Having the honor of being the first female Area Engineer in

California NRCS, her experience spans irrigation, erosion control, dairy manure management, streams and rivers, practices in the desert setting, and much more. Desi is fluent in English and Spanish.

#### Liz Colby, P.E.

Liz started working for the USDA Natural Resources Conservation Service (NRCS) in June 2005 in the Petaluma Field Office serving Marin and Sonoma Counties. Liz's post disaster response experience began in January 2006 after the New Year's Eve 2005 floods. Since then, she has responded to requests for assistance following the 2017 Napa winter rains, 2017 Napa Complex fires, 2019 Napa winter rains, and 2020 Quail, LNU, and Glass fires in Napa and Solano Counties. Liz was the NRCS representative for the Napa County post-fire (PE) in California in 2009. She worked as a private consultant, coordination effort in 2017 and continues that role. Liz earned a BS in Agricultural and Biological Engineering from Purdue University in 2005 and an MS in Civil and Environmental Engineering from the University of California, Davis in 2009. Liz became a Professional Civil Engineer (PE) in California in 2010. She moved with the US Air Force to Charleston, South Carolina (2010 – 2013). Upon returning to California, Liz worked as the District Engineer for Dixon Resource

Conservation District (DRCD) for 3 years before rejoining NRCS as Field Office Engineer in Napa, supporting NRCS and partnership projects in Solano County (2013 – 2020).

# **Closing Comments**

### Let's keep this momentum going!

If you have comments or ideas for the Section, please contact the Section Chair.

### **New Officers**

Welcome to the Officer Team!

Please send your contact information to the Section Chair.

### Schools

Make sure the contact information we have for your faculty and student representatives are up to date. Contact the Section Chair to make any edits.





Tulare, CA 02/10/10