



Dean Amy S. Fleischer chats with biomedical engineering students Tori Barrington, left, and Rayana Gutierrez in front of their project poster at the 2021 Summer Undergraduate Research Program Symposium in late September.

[READ MORE](#)

COLLEGE OF ENGINEERING LEARN BY DOING

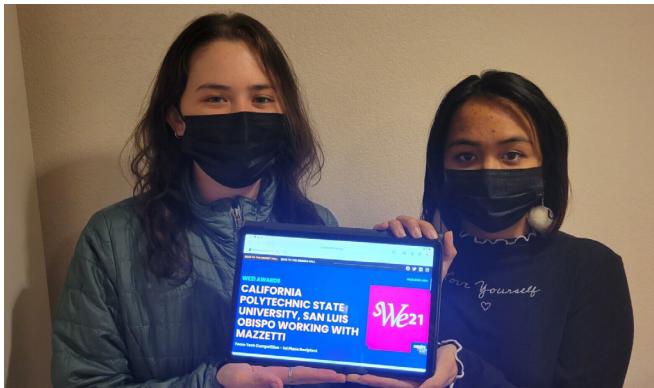
Fall 2021



CAL POLY
College of Engineering

Cal Poly Team's Sustainable Oxygen Generator System Wins SWE Contest

12.14.2021



Bonnie Brown, left, and Julianna Caballero display the announcement that their team won the 2021 Team Tech competition.

A team of Cal Poly engineering students won first place in this year's national Team Tech Competition after developing a sustainable oxygen generator system for rural regions of Malawi.

[READ MORE](#)

ME Students Win JUMP into STEM Challenge

12.10.2021



Four Mechanical Engineering teams placed in the JUMP into STEM Challenge, one team winning first place. The competition has shown that the next generation of building scientists is ready to respond to the demands of climate change, with both urgency and equity at the heart of technical solutions.

[READ MORE](#)

Positive Tech: Jen Overgaag Traveled the World and Found Her Calling

12.10.2021



Cal Poly alumnus Jen Overgaag (right) speaks with Edwin Maore as they work to install internet at a computer center in Sekenani, Kenya.

Three years after graduating from Cal Poly, Jen Overgaag quit her job at Cisco Systems and embarked on an international backpacking trip that would change her life.

[READ MORE](#)

Aero Course Inspired Students to Create Art

12.8.2021



For his Aero 470 class, John Grimes created a space-themed video titled "Other Worlds."

At the beginning of John Grimes' video short, three students lie on the grass in Poly Canyon, gazing at the stars. "Doesn't it ever make you wonder what's going on up there?" one of them wonders aloud. "All the stories and adventures that could be happening?"

[READ MORE](#)

Amelia Earhart's Visit to Cal Poly Remains an Inspiration and a Reminder About Women in STEM 11.29.2021



When Amelia Earhart visited the Cal Poly campus 85 years ago, she commented about the lack of women. Today, Cal Poly and other CSU schools are hoping to increase the number of women in STEM fields.

When Amelia Earhart visited Cal Poly 85 years ago, she was an international celebrity, a record-breaking pilot at a time when most women didn't even dream of pursuing aviation careers.

[READ MORE](#)

Cal Poly Women in Engineering Program Highlighted by the CSU 11.18.2021



Cal Poly's Women in Engineering Program was featured on the CSU website.

The California State University highlighted Cal Poly San Luis Obispo's Women in Engineering Program, showing how they prepare students for lucrative careers in engineering.

[READ MORE](#)

Rose Float President Regina Chapuis Discusses Her Journey to Pasadena 11.17.2021



CPE student Regina Chapuis is president of this year's Cal Poly Rose Float.

During a club fair her freshman year, Regina Chapuis made eye contact with someone working the Rose Float booth and felt compelled to stop and talk. She eventually offered her email address, but she didn't plan to pursue an invitation to attend the next club meeting. And yet she did — and never missed one afterward.

[READ MORE](#)

Soldiering on at Cal Poly 11.11.2021



Biomedical engineering student Tae Kim is part of a growing category of veterans at Cal Poly.

Tae Kim, a 32-year-old computer engineering senior, serves as a biomedical equipment technician in the Army Reserve. He transferred to Cal Poly in 2016 seeking a career in space science or space systems engineering with the hope of working for SpaceX.

[READ MORE](#)

Otto Aviation Uses Cal Poly Boundary Layer Data System in Flight Test

10.27.2021



BLDS on forward fuselage of the Otto Aviation Celeria 500L, illuminated by the dawn light.

After conducting several successful flights of its new Celeria 500L prototype aircraft in 2019, Otto Aviation (ottoaviation.com) contacted Donald E. Bently Professor of Mechanical Engineering Professor Russ Westphal to inquire about use of the Boundary Layer Data System (BLDS) in its flight test program.

[READ MORE](#)

Summer Undergraduate Research Project Symposium Success

10.6.2021



Dean Amy S. Fleischer talks with biomedical engineering students Tori Barrington, left, and Rayana Gutierrez in front of their project poster at the 2021 Summer Undergraduate Research Program Symposium.

This year's SURP Symposium People's Choice Award winners included software engineering students McKenna Reed and Noah Yuen and computer science students Kevin Sittner and Keon Roohparvar.

[READ MORE](#)

Cal Poly Honored Alumnus Edward L. Burnett (Video)

10.6.2021



2021 Cal Poly Honored Alumni Ed Burnett spoke at a speaker series event October 1.

Edward L. Burnett (Aerospace Engineering, '83; MEN, Engineering, '85) began his career with Lockheed Martin Aeronautics Co. as a student at Cal Poly. His dedication to the company is matched only by his support for the Cal Poly College of Engineering.

[VIDEO LINK](#)

Aaron Keen receives Cal Poly Distinguished Teaching Award

10.6.2021



Professor Aaron Keen was honored for teaching.

Cal Poly Computer Science and Software Engineering Professor Aaron Keen credits his preparation, availability and attention to students for receiving the 2019-2020 Cal Poly Distinguished Teaching Award (DTA) at the Fall Conference in mid-September.

[READ MORE](#)

ME Students Win Most Accurate Digital Core in NASA Moon to Mars Challenge 9.27.2021

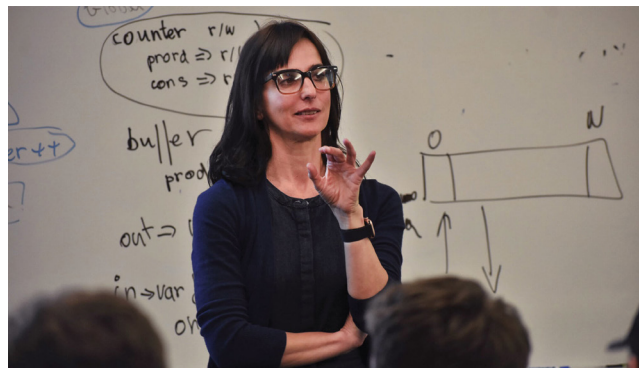


Dominic Duran, left, and Tyler Guffey test a prototype frame for Cal Poly's entry in the 2021 Revolutionary Aerospace Systems Concepts — Academic Linkage Special Edition: Moon to Mars Ice & Prospecting Challenge.

Ten university teams designed and built systems intended to harvest water frozen below the surface of the Moon and Mars during the 2021 Moon to Mars Ice & Prospecting Challenge held September 23-25, and Cal Poly took home Most Accurate Digital Core.

[READ MORE](#)

Cal Poly Joins CSU Team Seeking to Add More Female Faculty 9.20.2021



Maria Pantoja, an associate professor in the Computer Science & Software Engineering Department, teaches a class prior to the pandemic.

With a \$1.25 million grant from the National Science Foundation (NSF), Cal Poly has joined a consortium of CSU schools that will work to improve gender parity for engineering faculty and add more women of color to the field.

[READ MORE](#)

Undergraduate Research Program (Video) 9.17.2021



The Summer Undergraduate Research Program pairs students with faculty mentors, who work closely with students new to research over the summer. The research, often sponsored by industry, allows students to gain experience conducting relevant research. The 2021 program, featured in this video, included close to 20 research projects from a variety of disciplines.

[VIDEO LINK](#)

Cal Poly Universities' Rose Float Entry Will Go Over the Moon in 2022 9.17.2021



This year's Cal Poly Rose float pairs a nursery rhyme with the hardworking atmosphere of a college campus. The float will include a 600-pound leaping cow.

Hey, diddle, diddle, the Cal Poly universities' 2022 Tournament of Roses® Parade float features a cat and a fiddle — but the cow jumping over the moon will be wearing a jet pack.

[READ MORE](#)

Distinguished Scholar: Scott Hazelwood

9.13.2021



Biomedical Engineering Professor Scott Hazelwood works with students in the Human Motion Biomechanics Laboratory.

As infrared cameras captured the amputees' movements on exercise bikes, treadmills and elliptical machines, faculty and student researchers were especially interested in how much stress their subjects were placing on their knees, hip joints and cartilage.

[READ MORE](#)

Distinguished Scholar: Foaad Khosmood

9.13.2021



Cal Poly Computer Science Professor Foaad Khosmood co-founded Global Game Jam as a grad student.

It might seem surprising that the co-founder of the world's largest game-developing event didn't have access to a computer growing up. But as a child in Tehran during the Iran-Iraq War, Foaad Khosmood and his family were more focused on survival than computer games.

[READ MORE](#)

Big Jobs, Big Toys, Big Money: Granite Heavy Civil Minor Gets New Director

9.8.2021



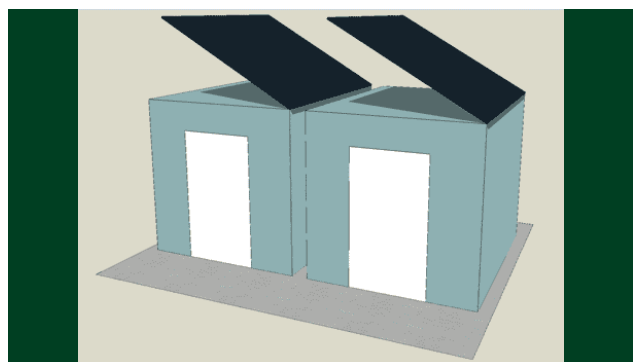
Ed Boucher, the new director of the Granite Heavy Civil Minor, discusses his career and the industry.

In a story he often repeats, Ed Boucher recalls someone asking him to define what heavy civil construction is. "I said I'll do it in six words," Boucher recalled. "Big jobs. Big toys. Big money."

[READ MORE](#)

Cal Poly Team Wins Competition for Indoor Farming Unit Design

8.8.2021



The design for the Poly Planter Pod won first place in the Setty Family Foundation's 2021 Applied Engineering Challenge.

A team of Cal Poly mechanical engineering students won first place recently in the Setty Family Foundation's 2021 Applied Engineering Challenge after designing an indoor gardening unit that could feed a family of four in San Luis Obispo.

[READ MORE](#)