

2021-2022 Annual Report of Student Chapter Activities



California Polytechnic State University, San Luis Obispo
Institute of Transportation Engineers Student Chapter

March 1, 2021 - February 28, 2022

Jacob Hamada, *President*
Lauren Zuend, *Vice President*
Blake Thomas, *Treasurer*
Jason Ng, *Secretary*
Alyssa Labrador, *Professional Coordinator*
Liam Keeton, *Social Coordinator*
Bryant Lee, *Alumni Coordinator*
Kyle Liang, *Marketing Coordinator*
Emily Lin, *Historian*
Dr. Anurage Pande, *Faculty Advisor*
Paul Valadao, *Faculty Mentor*

Chapter Administration

Meeting #	Date	Location	Presentation/Speaker	Joint Meeting?
End of Winter Quarter 2021 + Spring Quarter 2021				
1	3/4	Zoom	Wallace Group with Brett Hadley and Sarah Huffman	
2	3/11	Zoom	Escape Room - Transportation Edition	
3	4/1	Zoom	Caltrans with Steve Lee	
4	4/8	Zoom	KOA Corporation with Min Zhou and Walter Okitsu	
5	4/22	Zoom	Dokken Engineering	
6	5/6	Zoom	W-Trans with Mark Spencer	
7	5/13	Zoom	Officer Elections	
8	5/25	Zoom	Bryan Wheeler	Central Coast ITE
9	6/3	Zoom	Eugene Jud	
Fall Quarter 2021				
10	9/30	San Luis Obispo	Introduction to ITE, faculty, and chapter leadership	
11	10/14	San Luis Obispo	Quincy Engineering with Greg Young and Kevin Williams	
12	10/28	San Luis Obispo	ITE social	
13	11/4	San Luis Obispo	Kittleson and Associates with Marc Butorac and Krista Purser	
14	11/18	San Luis Obispo	HNTB with Brian Gaul and Dan Parker-King	
Winter Quarter 2022				
15	1/13	San Luis Obispo	Fehr and Peers with Ian Barnes and Shane Russell	
16	1/27	San Luis Obispo	Kimley-Horn with Ryan Jewe, Sarah Downing, and Curtis Yee	
17	2/10	San Luis Obispo	Central Coast Transportation Consulting with Joe Fernandez	
18	2/24	San Luis Obispo	VRPA Technologies with Georgiena Vivian	

General Meeting with Greg Young and Kevin Williams from Quincy Engineering

As our first in-person general meeting with professionals since Winter 2020, Cal Poly ITE was grateful to meet and learn from professionals in-person once again. Greg and Kevin taught us about the company culture at their firm and walked us through several transportation projects they worked on.

General Meeting with Brian Gaul and Dan Parker-King from HNTB

We were delighted to see Brian, our 2018-2019 President, back in-person again after a few years, as well as meet Dan who presented his work on bridge projects to us. Brian discussed several interesting aviation projects he has contributed to, which Cal Poly ITE enjoyed since Cal Poly currently does not offer an aviation course.

Networking Events

Coffee Breaks after General Meetings

Cal Poly ITE hosted virtual coffee breaks during Winter/Spring 2021 and in-person coffee breaks starting this past Fall. After general meetings, these coffee breaks provided students with an opportunity to ask additional questions, learn more about the presentation/company, or casually converse about the speaker's professional experience. Coffee breaks also allowed students who could not attend the meeting beforehand to meet and network with the speakers.

Virtual Alumni Night + SLO Transportation Mixer

Cal Poly ITE hosted a Virtual Alumni Night + SLO Transportation Mixer during Spring 2021. Using gatherly.io, an interactive event platform, this event combined the SLO Transportation Mixer (traditionally held in the Fall) with our Annual Cal Poly ITE Alumni Night. This event gave members the opportunity to network with past alumni and professionals in the San Luis Obispo area, all while having fun with some ice breakers and transportation trivia.

SLO Transportation Mixer

In Fall 2021, Cal Poly ITE hosted the SLO Transportation Mixer, the first in-person networking event since before the pandemic (besides Coffee Breaks). Both student and professional attendees were excited to finally be back in-person.

Western District Student Leadership Summit

Cal Poly ITE sent 16 student members to the 2022 Western District Student Leadership Summit hosted by San Jose State University. At the virtual conference, our members had the opportunity to meet students from other chapters, network with professionals and students, attend technical presentations, a resume workshop, and a career fair, and participate in the fun activities SJSU prepared.

Joint International/Western District/Mountain District Annual Meeting

Over the summer, Cal Poly ITE members attended the virtual Joint International Annual Meeting in (virtual) Portland, Oregon. In between technical presentations and workshops, members networked with professionals and students from other chapters in various transportation competitions, forums, and social events.

Leadership Development

Various Committees - Data Collection Project, Kell Competition, Student Leadership Summits

Cal Poly ITE members developed their leadership abilities by participating in committees for the Data Collection Project, Kell Competition, and Student Leadership Summits. Members of these committees combined their leadership and transportation knowledge to lead and plan projects, competitions, and events. Members benefited by gaining relevant leadership experience through these various committees.

2022 Transportation Research Board Annual Meeting

Three Cal Poly ITE officers, Jacob Hamada, Bryant Lee, and Blake Thomas, attended the 101st TRB Annual Meeting in Washington D.C. this past January. They attended committee meetings, various sessions, poster presentations, and the exhibit hall to learn about the current research in the transportation field and share the knowledge they gained with their chapter. They also networked with professionals, students, and professors to explore different topics in transportation.

K-12 STEM Outreach

SWE Building an Engineer (BAE) Day

Cal Poly ITE volunteered at Society of Women Engineers' BAE Day to teach local middle school students about transportation engineering. Our chapter gave a presentation on road design that accounts for all users. Then, the middle school students used Streetmix to redesign a cross-section of an existing road in San Luis Obispo. This year's theme was video games, so at the end of the activity, students designed their road to resemble a Mario Kart track.

Application of Technical Knowledge

2021 Data Collection Project - Santa Rosa Park, San Luis Obispo

Cal Poly ITE conducted a parking and trip generation study project at Santa Rosa Park with the support of the 2021 Western District Data Collection Fund. Student members collected parking and trip generation data and submitted a formal report on their findings.

2021 Pacific Southwest Conference (PSWC) Transportation Team

ITE members Danielle Caparas, Meagan Chan, Emily Lin, Ana Miciano, Andrew Rasas, Kezia Suwandhaputra, and Lauren Zuend (7) worked on a transportation project for the American Society of Civil Engineers' (ASCE) Pacific Southwest Conference (PSWC) Transportation Competition. With a prompt pertaining to Los Angeles International Airport (LAX), the project required improving access and circulation utilizing Transportation Network Companies (TNCs), redesigning the LAX-it lot and surrounding area for 2028, and prioritizing sustainable and

cost-efficient design. The team made a comprehensive report and poster presentation to earn a second place finish out of 18 universities.

Student Research

Cal Poly transportation engineering faculty sought Cal Poly ITE members for their various research projects. Through these research opportunities, Cal Poly ITE members demonstrated expertise in a scholarly discipline, effective communication, and individual and collaborative work to make a positive contribution to society.

New Member Recruitment

Virtual Open House

Cal Poly ITE participated in the Civil and Environmental Engineering Department's virtual open house for admitted students. Volunteers talked to admitted and prospective students in Zoom breakout rooms to talk about ITE and life at Cal Poly.

Week of Welcome Club Showcase

The first in-person recruitment event brought excitement to Cal Poly ITE officers who had the chance to talk to hundreds of incoming students at Cal Poly's Week of Welcome Club Showcase. Officers gave elevator pitches about the club to students who came up to our booth, attempting to pique their interest in transportation engineering and what ITE has to offer.

Civil and Environmental Engineering Clubs Pizza Social

At the Civil and Environmental Engineering Clubs Pizza Social, Cal Poly ITE recruited second-year and transfer students who did not have the opportunity to join clubs in-person last year.

Class Visits

Cal Poly ITE officers visited CE-112, CE-222, and CE-321 classes to present about the field of transportation engineering, share personal experiences with ITE, mention resources that the organization provides, and advertise upcoming events.

Diversity and Inclusion

Demographic

Cal Poly ITE emphasizes that there are no requirements that members must be civil engineers, resulting in success recruiting members from majors outside of civil engineering. During Club Showcase and other orientation week events, Cal Poly ITE recruited several City and Regional Planning majors, as well as Architectural Engineering majors. Cal Poly ITE's chapter also consists of a wide variety of first- through fourth-years, as well as graduate students.

Training/Professional Development

Professional Development Series

Cal Poly ITE held professional development workshops to help members prepare for job/internship applications and interviews. Our chapter hosted career preparation panels, resume reviews, and interview preparation workshops.

CPITE + NYU ITE - Connecting East and the West

Cal Poly ITE collaborated with New York University's ITE chapter to present a jointly hosted panel session. This virtual event hosted professionals from the east and west regions to share their experiences working in various agencies and firms, allowing curious students from any chapter to attend and learn about the transportation similarities and differences between the two coasts.

Field Trips/Technical Tours

Downtown LA Firm Tours

This past fall, four Cal Poly ITE members made the trip to Downtown Los Angeles to join UCLA and USC ITE chapters for a tour of the offices of Kimley-Horn, HNTB, Fehr and Peers, and Mott McDonald. At each office, members received great insight about work-culture, ongoing projects, and technical applications.

Local Firm Tour with Rick Engineering

This quarter, Cal Poly ITE collaborated with Cal Poly's Society of Civil Engineers chapter to attend a local firm tour at Rick Engineering in San Luis Obispo. Members of these clubs learned about the office and several different projects Rick Engineering has worked on.

Site Visit - Pedestrian Bridge on Taft Street with City of San Luis Obispo

This quarter, the City of San Luis Obispo hosted a site visit for Cal Poly ITE members to observe the newly finished pedestrian bridge on Taft Street - near the Cal Poly campus. An engineer from the City of SLO presented the process of constructing the bridge, problems that arose, and solutions that resulted in success.

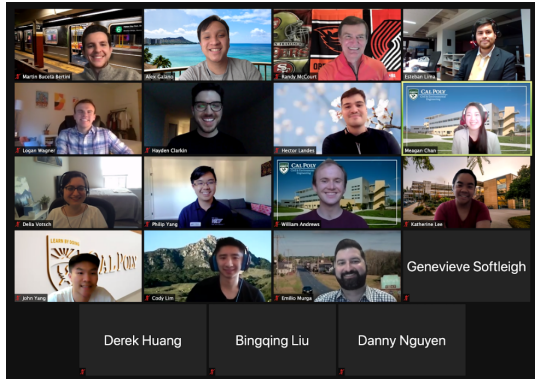
Service Projects

Halloween Bag Volunteering

Cal Poly ITE partnered with the City of SLO to organize and distribute reflective Halloween candy bags for elementary school students in the San Luis Obispo area to increase safety for trick-or-treaters.

San Luis Obispo Railroad Museum Volunteering

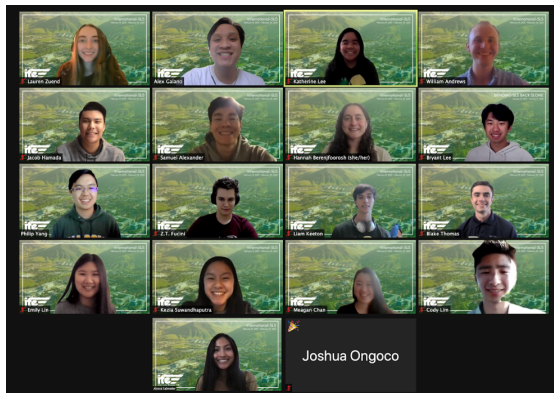
Cal Poly ITE volunteered at the San Luis Obispo Railroad Museum to conduct a general clean-up of the museum's surroundings, parking lot, and solar panels. Afterwards, members received a tour of the museum and a California central coast railroad history lesson.



NYU + ITE Panel



First General Meeting back in-person



International-SLS Group Photo



CPITE Officer Bonding at Butterfly Grove



ITE Booth at Club Showcase



SLO Transportation Mixer



Halloween Bag Volunteering



Railroad Museum Clean-up