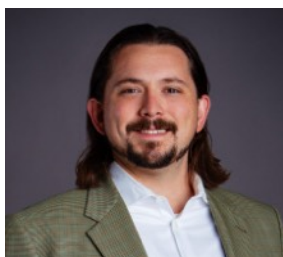


## Los Angeles Basin Section Society of Petroleum Engineers

*Recipient of the SPE President's Section Award for Excellence & a SPE Gold Standard Section*

### A Message from the Chair

#### LA SPE Scholarships Resume, Energy Transitions, Carbon Capture & Emissions, Golf Tournament at Navy Course on May 3rd



Dear Colleagues,

As December arrives, it's an opportune time to reflect on the significant developments in our industry and our ongoing commitment to sustainability and the energy transition. As a reminder of the importance of the knowledge and expertise in the Oil & Gas Industry and

how that can continue to contribute to society through the energy transition, we are re-opening the LA Basin SPE Scholarship for 2023, due by 12/31/2023 to Brian Tran. **Please see the announcement later in this Newsletter!!**

Enbridge's recent acquisition of [seven landfill gas-to-RNG facilities](#) in Texas and Arkansas is a noteworthy step toward renewable energy. This move demonstrates the industry's increasing focus on cleaner and more sustainable energy sources.

The shale boom has not only transformed the energy landscape but also holds the potential to contribute to the energy transition. Innovations in [hydraulic fracturing techniques](#) may offer breakthroughs in energy storage.

*Continued next page*

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**LASPE Website**  
[connect.spe.org/  
LosAngelesBasin/Home](https://connect.spe.org/LosAngelesBasin/Home)

**The LASPE Technology in Person Meeting  
will be Wednesday Dec 13th at 11:30AM, at The Navy Golf Course in Cypress  
"The Creation of the Pipeline Safety Enhancement Plan in the Aftermath of San Bruno"  
presented by Peter Yu & Ian Johnecheck, Project Managers, Cordoba Corporation**

*See page 3 for Details*

Additionally, ExxonMobil's ambitious plans to drill enough lithium wells to support the production of [one million electric vehicles annually](#) highlight the evolving dynamics of the energy industry.

On another front, the challenges of produced water disposal in the industry are becoming more apparent, and finding sustainable solutions is crucial. In a significant development, [ConocoPhillips' Willow project](#) has cleared another hurdle, underlining the industry's determination to advance energy transition projects.

Furthermore, the [world's largest direct air capture](#) (DAC) project, backed by Occidental (Oxy) and attracting interest from the world's largest investment house, underscores the industry's efforts to mitigate carbon emissions. Considering these developments, it's essential to stay informed about the evolving landscape of the oil and gas sector. We must also remain committed to our sustainability goals and the energy transition.

Looking ahead, our 2024 golf tournament at the Navy Course promises an exciting day of competition and camaraderie. This year, we're thrilled to announce a shotgun start format, enhancing both the competitive spirit and the sense of community. Peter Yu and Ted Frankiewicz have graciously accepted the roles of co-chairs for this event. **The course is reserved for May 3rd, Please SAVE THE DATE.**

Like last month, we are using Zeffy.com, so [click here for luncheon reservations](#). We hope this provides you a more convenient experience. We invite volunteers to join our board, with a special emphasis on the secretary position. Your participation is invaluable to our section's continued success.

Lastly, our bylaws are being updated to reflect changes in board size, which will be [posted on our website soon](#).

As we conclude this year, let us remain committed to the principles of sustainability, innovation, and the energy transition that drive our industry forward.

Sincerely,

Andrew López  
SPE LA Basin Section Chair 2020-2023  
[aslopez@burnsmcd.com](mailto:aslopez@burnsmcd.com)



## **THE DECEMBER SPE TECHNOLOGY LUNCHEON**

**Wednesday December 13<sup>th</sup> 11:30 AM**

**LOCATION: THE NAVY GOLF COURSE 5660 Orangetown Ave, Cypress, CA**

**Speakers: Peter Yu & Ian Johncheck, Cordoba Corporation**

## **The Creation of the Pipeline Safety Enhancement Plan in the Aftermath of San Bruno**

**Lunch Price: \$25.00 (Students \$10) Make your Lunch Selection from Menu Below**

**Cash or Check RSVP with the Number of your selection & Side Dish to:**

**[tcfrankiewicz@gmail.com](mailto:tcfrankiewicz@gmail.com)**

**Credit Card RSVP make your Lunch Selection on the Zeffy Web Site using the following link:**

**<https://www.zeffy.com/en-US/ticketing/ea1ca06f-1f5e-45ab-896f-b39dfdfa0cf4>**

### **Lunch Menu Selections for SPE Technology Luncheon**

- Selections are served with Choice of French Fries, Sweet Potato Fries, Cottage Cheese, Cole Slaw or Green Salad

#### **1. California Burrito**

a. Carne Asada, Pico de Gallo, Cheese, Avocado Spread, Fries, Jalapeño Crema, Flour Tortilla

#### **2. Baja Style Fish Tacos**

a. Corn Tortillas, Cod, Lime Cilantro Slaw, Cotija Cheese, Jalapeño Lime Sauce

#### **3. Grilled Chicken Sandwich**

a. Chicken, Monterey Jack Cheese, Applewood Bacon, Lettuce, Tomato, Chipotle Aioli, Sourdough

#### **4. Pulled Mushroom Tacos**

a. [Vegan] Portobello Mushroom, Shiitake, Onions, Cilantro and Mexican Spice, Tortilla with Pickled Onions and Garlic Lime Sauce (Does Not Include Side)

#### **5. Cubano Sandwich**

a. Ham, Carnitas, Pickles, Swiss Cheese, Hoagie Roll

## **The Creation of the Pipeline Safety Enhancement Plan in the Aftermath of San Bruno**

### **Abstract:**

In September of 2010, an explosion, caused by a leak in a natural gas transmission pipeline, that killed 8 people in San Bruno, CA, set off an order from the California Public Utilities Commission (CPUC) that all natural gas transmission operators in the State of California ensure the safe operation of their transmission pipelines. Major utilities SoCalGas and SDG&E developed programs such as the Pipeline Safety Enhancement Plan (PSEP) in order to enhance public safety, comply with the Commission's directives, minimize customer impacts, and maximize cost effectiveness. This presentation will cover the background and aftermath of the tragedy, the methods used to execute the plan, and the role that Cordoba Corporation plays in this work.

### **Bio for Peter Yu:**

Peter Yu is a graduate from UC Irvine with a Bachelor in science in Mechanical and Aerospace engineering. He is a licensed Mechanical Engineer, Project Management Professional, and Environmental Sustainability Professional. He has been working in the Energy sector for 16 years specializing in pipelines. He has spent his career supporting oil and gas clients with engineering, design, and construction management support. His most recent experience has been building natural gas pipeline systems in California. He is currently the Director of Hydrogen-Gas Utilities for Cordoba Corporation where he has been since 2018. He manages a team of 140 people that supports various utility clients in California from engineering, design, construction management and project management. His daily duties include corporate strategy, business development, and client management.

### **Bio for Ian Johncheck:**

Ian Johncheck is a native Texan that graduated from the University of Oklahoma in 2015 with a BSc. in Petroleum Engineering. He started his career working in PG&E's hydroelectric power generation system as a Construction Engineer, for several years, before moving to Los Angeles, CA. Where he became an active board member in SPE's Los Angeles Basin Section and is the current Chair-Elect. He has acted as Project Manager/Engineer on natural gas transmission projects in southern California for Cordoba Corporation since 2019. He currently manages a team that supports SoCalGas in various aspects including design, project engineering, and project management.

## **THE DECEMBER SPE TECHNOLOGY LUNCHEON**

### **Wednesday December 13<sup>th</sup> 11:30 AM**

**LOCATION: THE CLUBHOUSE AT THE NAVY GOLF COURSE  
5660 ORANGEWOOD AVE. CYPRESS, CA 90630**

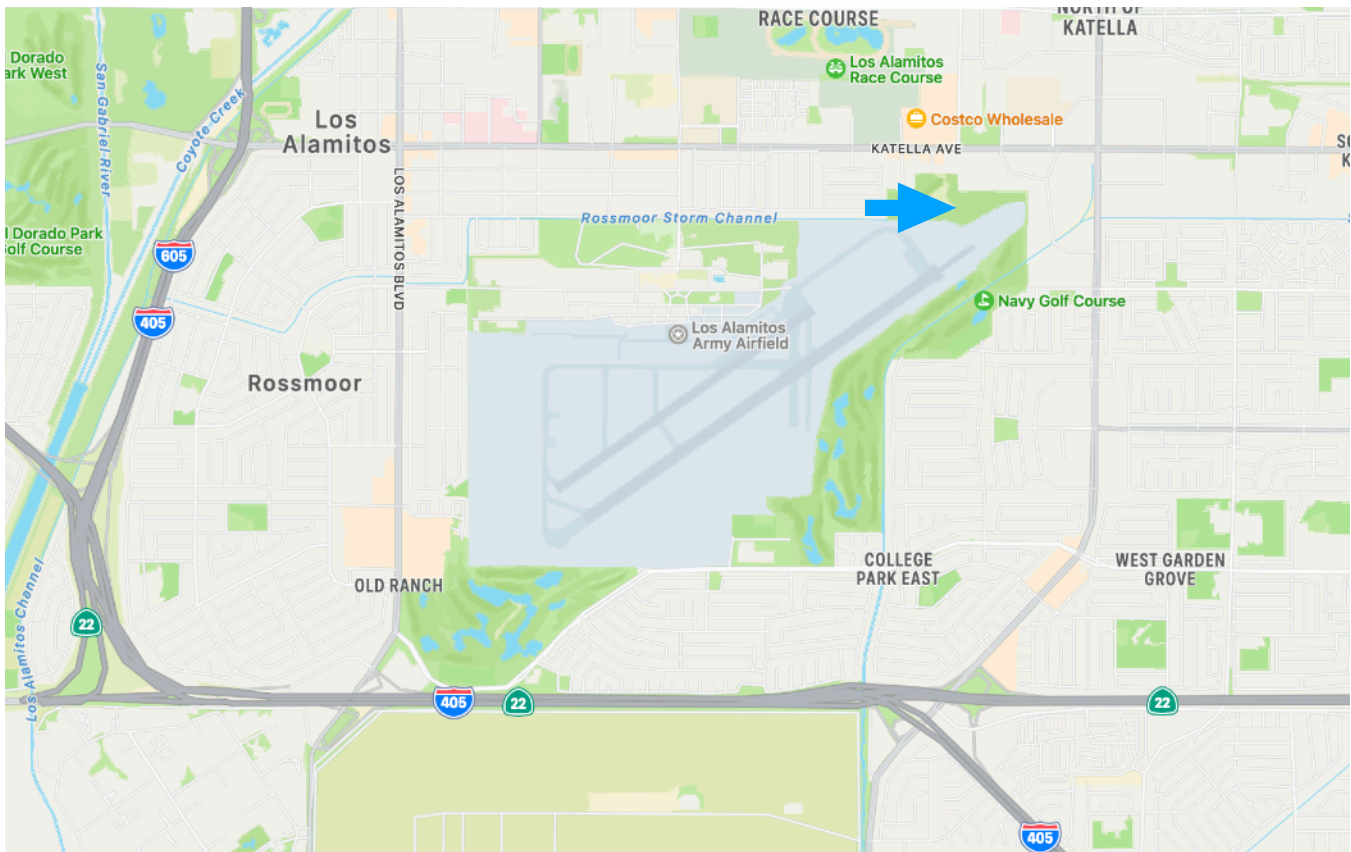
#### **DIRECTIONS:**

**From the 605 Freeway---**

- Exit and go East on Katella
- Turn South onto Valley View
- Turn West onto Orangetown & you're there!

**From the 405 or the 22 Freeways---**

- Carefully Follow Freeway signs to
- Exit at Valley View / Bolsa Chica
- Go North on Valley View for 1 mile
- Turn West onto Orangetown & you're there!

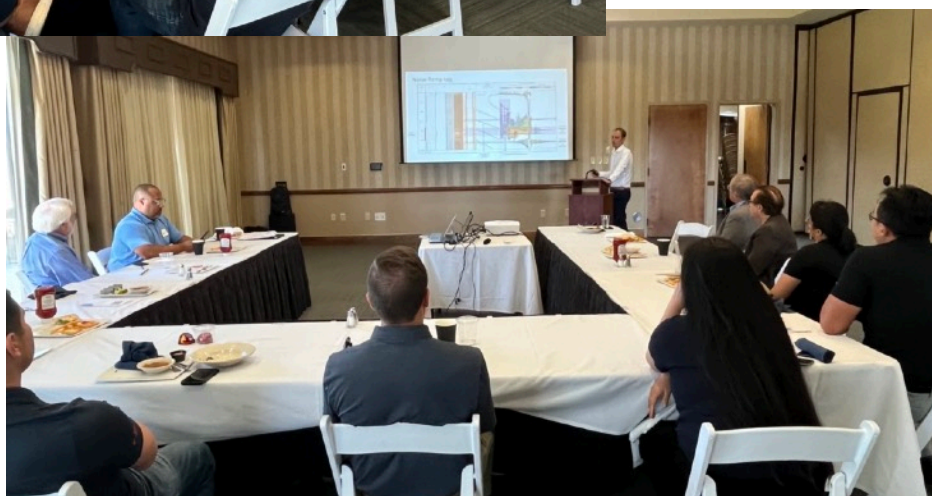
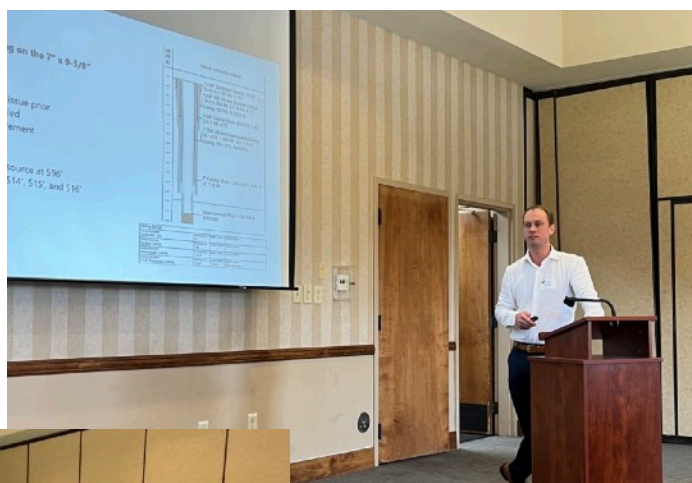




## PHOTOS OF THE NOVEMBER PETROLEUM TECHNOLOGY LUNCHEON

**Biom mineralization: A novel solution to plugging and abandoning the “budget busting” wells with sustained casing pressure**

**John Griffin**  
**Vice President of Sales, The BioSqueeze Corporation**



## **LASPE SCHOLARSHIP PROGRAM**

Dear fellow LASPE members and applicants,

It is the board of director's pleasure to announce the 2023-2024 scholarship program. The program aims to attract engineering students that are interested in a career in the Petroleum Industry. Our goal is to promote local interest in up-and-coming talent who will be the future of our industry. We want to encourage students to pursue science and engineering curriculums and to increase their awareness of future career opportunities. The LASPE awards scholarships to local university graduates, undergraduate students, and local high school students.

We want to thank all the companies, members and contributors who participate in our events, workshops, and activities. These activities and the funds generated are the lifeblood of our program that enables us to award scholarships to deserving students for years. Please pass along the scholarship announcement and application to a promising candidate if you know one. The LASPE scholarship committee will also reach out and spread the word to local universities.

For more information, contact:

LASPEscholarship@gmail.com or  
[briantran82@gmail.com](mailto:briantran82@gmail.com)

Awards available:

- Undergraduate Scholarships of \$1,000 each or more; USC, UCLA, UCI and Cal State Long Beach.
- Masters Students Scholarships of \$1,000 each or more, of which Bruce Davis Scholarship will be for the USC award, and others for top Masters Students at UCLA, UCI and CSLUB based on GPA and extracurricular activities. Contingent upon applicant pool.
- Graduate Student Awards for Excellence of \$1,000 each or more for the most outstanding contribution to the Oil & Gas industry. Can be project, paper, thesis, etc.
- Candidates who are relatives of SPE Members from outside local schools will be considered as long as they pursue a technical degree path towards the petroleum industry.

## LASPE SCHOLARSHIP PROGRAM *CONTINUES*

The Scholarship committee will accept applications through **December 31, 2023**. The awards will be presented to students at a special meeting in 2024.

### Scoring Criteria and considerations:

Merit Based scholarship

High School, Undergraduate & Graduate Scholarships

PhD candidates only eligible for Awards of Excellence.

- Complete scholarship application
- Must be pursuing technical degree field
- Maintain full time academic load/full time student status for upcoming terms
- Active member of SPE (Student Chapter or L.A. Basin Section)
- Research Project, Paper, or Thesis – Synopsis/abstract attachment. 300 words max
- Internships served – When, Where & Duties
- Consideration for activity serving the industry and supporting SPEI section/chapter
  - Section participation
  - Industry event participation
  - Volunteerism at events
  - Attendance of workshops/meetings
  - Young Professionals
- Personal statement of interest in pursuing career in oil & gas industry – 100 words or less

This announcement and the scholarship application can be found online:

<https://connect.spe.org/losangelesbasin/home>





## 2023-2024 LASPE SCHOLARSHIP APPLICATION

## APPLICANT INFORMATION

Name:		Date of Birth:
Email:		Phone:
Current Address:		
City:	State:	ZIP Code:

## ACADEMIC INFORMATION

Current University:		
Current Major(s) Pursued: (ex: BS in Pet. Eng)		Cumulative GPA: (     /     ) scale
Most Recent Degree Major(s) Completed:		Cumulative GPA: (     /     ) scale
Expected Graduation Date:	Full Time Student for Upcoming Year (Y/N):	
Active Member of SPE/ Student Chapter (Y/N):	Received SPE Scholarship Award in the Past (Y/N):	

## INTERNSHIP(S) SERVED (IF ANY)

Company:	Dates:
Duties:	

## STUDENT PAPER, PROJECT, PRESENTATION OR THESIS

For 2022/2023 Year (Y/N):	If yes, which of the above?
Will it be presented or published? (Y/N):	If yes, when, and where?
Attach a typed synopsis or abstract to this application. 300 words max.	

## SCHOOL-INDUSTRY PARTICIPATION

State your involvement & support in school or industry activities: (events, meetings, competitions, volunteerism, workshops, clubs, etc.)
Be specific about your involvement with an SPE Student Chapter and the LA Basin SPE Section. Extra pages can be attached if necessary

## PERSONAL STATEMENT

State your interest in and plans for pursuing a career in the oil & gas industry – 150 words or less: Attach an extra page if necessary

Submit all applications with attachments to: [LASPEscholarship@gmail.com](mailto:LASPEscholarship@gmail.com) & [Briantran82@gmail.com](mailto:Briantran82@gmail.com)

## SPE STUDENT CHAPTER REPORT

### USC SPE Chapter November Report

#### 1. Seminar

On November 14, 2023, the USC Society of Petroleum Engineers (SPE) Chapter organized its monthly seminar. The talk was on “Geomechanics for Energy: Some New and Not So Old Applications” presented by Dr. Ewerton Araujo. The presentation showcased the evolution of geomechanics applications, emphasizing its critical role in various energy-related sectors, including oil and gas, carbon capture and storage, and geothermal projects. The intricate details of stress regimes, model building workflows, and temporal considerations highlighted the multifaceted nature of geomechanics in ensuring the sustainability and efficiency of energy-related projects.

Professors and students attended the event that held both online and in person.



Dr. Ewerton Araujo is a Geomechanics specialist with 20 years in the oil and gas industry. Dr. Araujo started as an R&D engineer before joining GeoMechanics International, where he worked on projects in the Americas, Middle East, and Africa. After that, he joined Equinor as the SME for geomechanics of USA and Canada assets, and following that, he was hired by BHP to implement and develop the geomechanics discipline in the Petroleum assets. His expertise covers all geomechanics-related aspects of wells planning, drilling, completion, operation, and abandonment, in addition to reservoir geomechanics during exploration, appraisal, and production.

#### 2. Field Trip (a visit to the Giant of Los Angeles Basin - Long Beach Wilmington Oil Field and White Island Offshore Oilfield)

On November 17, 2023, the USC Society of Petroleum Engineers (SPE) Chapter organized a field trip for a group thirty students (undergraduate, masters, and doctoral students) and provided the opportunity of visiting some of the Giant oilfields of Los Angeles Basin. The trip was led by a Don Clarke who provided insights into Los Angeles Basin environment, facilities, and the historical development of oil extraction in the region.

Long Beach, with its rich oil extraction history dating back several decades, has been a key player in the oil and gas industry. The development and evolution of oil extraction technologies have significantly contributed to the region's economic growth. Additionally, the visit highlighted the importance of cutting-edge equipment, such as advanced drilling towers and data analysis tools, in

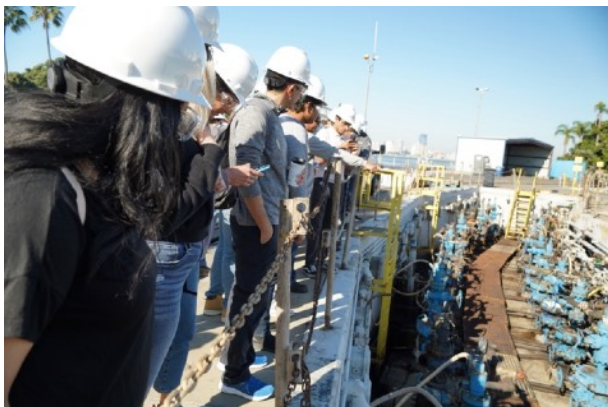
ensuring efficient and sustainable oil extraction practices. Overall, the field trip served as a bridge between theoretical knowledge and practical application, offering students a unique opportunity to witness the complexities of the oil and gas industry firsthand. The activity ended around 2:00 pm.



#### **Wilmington Oil Field:**

At 9:30 am, the group reached the port to embark on a journey to White Island for a firsthand experience of an offshore oilfield. Before departure, two supervisors from CRC provided essential safety instructions, and distributed safety goggles.

The visit to **White Island**, started around 10:00 am, and included informative sessions by supervisors and professors about offshore drilling equipment such as drilling towers, logging tools, Pipeline Cleaning Pigs, and storage tanks like sand filters. The tour concluded with a visit to the office, where the process of detecting and analyzing oil extraction data was explained.



#### **White Island Offshore Oilfield:**

Throughout the tour, the supervisors and professors discussed offshore oil extraction process, discussing various equipment. This exposure provided invaluable insights into the intricacies of offshore drilling operations.

**Return to Mainland:**

Around 11:30 am, the group returned to the mainland. The tour leaders shared a detailed overview of Long Beach's oil extraction history and environmental aspects, providing a comprehensive understanding of the local industry.



## SELECTED SPE UPCOMING EVENTS 2023-2024

Date	Title
Dec 13 2023	<b>“The Creation of the Pipeline Safety Enhancement Plan in the Aftermath of San Bruno” presented by Peter Yu &amp; Ian Johncheck, Project Managers, Cordoba Corporation</b>
Jan 9 2024	<b>Professor Jafarpour, USC Department of Engineering</b>
Feb 12, 2024	<b>LASPE Distinguished Lecturer Rawdon Seager Carbon Capture and Storage and the CO2 Storage Resources Management System (SRMS)</b>
April 14 - 18 2024	<b>SPE WRM 2024</b> Crowne Plaza Hotel, Palo Alto General Chair: Mark McClure, <a href="mailto:mark@resfrac.com">mark@resfrac.com</a> Technical Program Chair: Roland Horne, <a href="mailto:horne@stanford.edu">horne@stanford.edu</a>
	* Asterisk * on a date indicates a Board of Directors meeting starts at 10:30 am prior to Petroleum Technology Luncheon. All are welcome to attend.

## DEADLINES FOR NEWSLETTER ARTICLE SUBMISSION

Month Published	1st Submission Call	Last Submission Call	No Submissions Accepted After	Newsletter Publish Date
Jan	12/11	12/18	12/27	1/1
Feb	1/15	1/22	1/25	2/1





## 2023 - 2024 LASPE OFFICERS, BOARD & CONTACTS

Name	Position	E-mail
Andrew López	LASPE Chairperson 2020-2023	<a href="mailto:aslopez@burnsmcd.com">aslopez@burnsmcd.com</a>
Ian Johnnecheck	Chairperson Elect for 2023-2024	<a href="mailto:ianJohnnecheck@gmail.com">ianJohnnecheck@gmail.com</a>
Robert Schaaf	Past Chair - Board Member	<a href="mailto:rpschaaf@gmail.com">rpschaaf@gmail.com</a>
Francois Florence	Treasurer - Board member through 2022	<a href="mailto:francois.florence@gmail.com">francois.florence@gmail.com</a>
Vanessa Perez	Secretary - Board member through 2022	<a href="mailto:perezv28@gmail.com">perezv28@gmail.com</a>
Ian Johnnecheck	Board member through 2022	<a href="mailto:ianJohnnecheck@gmail.com">ianJohnnecheck@gmail.com</a>
Ted Frankiewicz	Board member through 2022	<a href="mailto:tcfrankiewicz@gmail.com">tcfrankiewicz@gmail.com</a>
Steve Cheung	Board member 2021-2024	<a href="mailto:steveior@yahoo.com">steveior@yahoo.com</a>
Peter Yu	Board member 2023-2025	<a href="mailto:pyu@cordobacorp.com">pyu@cordobacorp.com</a>
<b>Committee Chairs</b>		
Open	Awards	
Ted Frankiewicz	Forum and Program Chair	<a href="mailto:tcfrankiewicz@gmail.com">tcfrankiewicz@gmail.com</a>
		<a href="mailto:jr.smoier@raptorwireline.com">jr.smoier@raptorwireline.com</a>
Scott Hara	Community Outreach/STEM	<a href="mailto:scotthara@yahoo.com">scotthara@yahoo.com</a>
Vanessa Perez		<a href="mailto:perezv28@gmail.com">perezv28@gmail.com</a>
Ian Johnnecheck	YP Activities	<a href="mailto:ianjohnnecheck@gmail.com">ianjohnnecheck@gmail.com</a>
Dr. Iraj Ershaghi	Publication Mentor	<a href="mailto:ershaghi@usc.edu">ershaghi@usc.edu</a>
Brian Tran	Scholarship	<a href="mailto:briantran01@yahoo.com">briantran01@yahoo.com</a>
A.B. Gorashi	Training	<a href="mailto:goras9@aol.com">goras9@aol.com</a>
		<a href="mailto:jr.smoier@raptorwireline.com">jr.smoier@raptorwireline.com</a>
Robert Schaaf	Nominations pro tem	<a href="mailto:rpschaaf@gmail.com">rpschaaf@gmail.com</a>
Larry Gilpin	Newsletter & Website Editor / Publisher	<a href="mailto:Larry@4thForge.com">Larry@4thForge.com</a>
Steve Shryock	Student Chapter Liaison	<a href="mailto:sgshryock@aol.com">sgshryock@aol.com</a>
Steve Cheung	Membership Chair	<a href="mailto:steveior@yahoo.com">steveior@yahoo.com</a>
Dr. Jalal Torabzadeh	Student Chapter Advisor - CSULB	<a href="mailto:jalal.torabzadeh@csulb.edu">jalal.torabzadeh@csulb.edu</a>
	Student Chapter President - CSULB	<a href="mailto:beach.spe@gmail.com">beach.spe@gmail.com</a>
Dr. Iraj Ershaghi	Student Chapter Advisor – USC	<a href="mailto:ershaghi@usc.edu">ershaghi@usc.edu</a>
Nazare Hebo	Student Chapter President - USC	<a href="mailto:uscspe@usc.edu">uscspe@usc.edu</a>
	2023-2024	<a href="mailto:hebo@usc.edu">hebo@usc.edu</a>
Simeon Eburi	SPE Regional Director-North America	<a href="mailto:simeon.eburi@chevron.com">simeon.eburi@chevron.com</a>
SPE International	Contact for Sections	<a href="mailto:sections@SPE.org">sections@SPE.org</a>