

SAN DIEGO ASSOCIATION OF GEOLOGISTS

<http://www.sandiegoeologists.org/>

PRESIDENT

John Teasley
(760) 908-7740
itea@cox.net

VICE PRESIDENT

Heather Reynolds
(540) 525-6475
heath88@vt.edu

SECRETARY

Neil Seitz
(419) 330-9511
neilseitz@hotmail.com

TREASURER

Tina Zeidan
(661) 733-9548
zeidan.tina@gmail.com

WEBMASTER: Carolyn Glockhoff carolyn@caro-lion.com

SDAG MEETING ANNOUNCEMENT

Wednesday, November 6th, 2024

Where: Fallbrook Gem & Mineral
Society
123 W. Alvarado St.
Fallbrook, CA 92028
[Fallbrook Gem & Mineral
Society](#)

When: 6:00 pm - Social Hour
7:00 pm - Dinner
7:30 pm - Program

Dinner: Mexican Buffet / Vegan

Cost: \$45.00 Member; Non-Member \$55.00; Student \$25.00

Reservations: Make/Pay your reservation [online](#) through the SDAG website, by **NOON Friday, November 1st**. (*Please note beginning January 2024 all meeting reservations will require on-line pre-payment due to venue costs, venue contracts, and loss of money due to no shows.*)

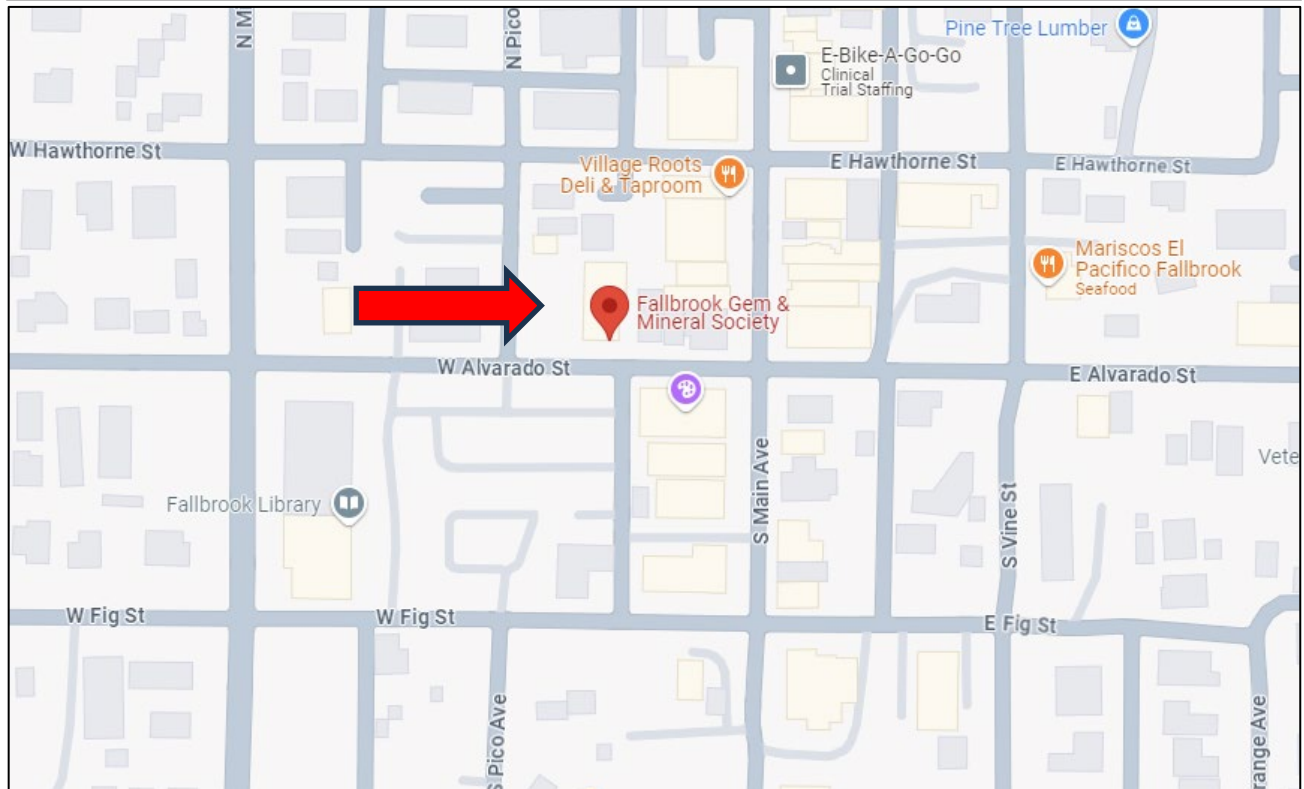
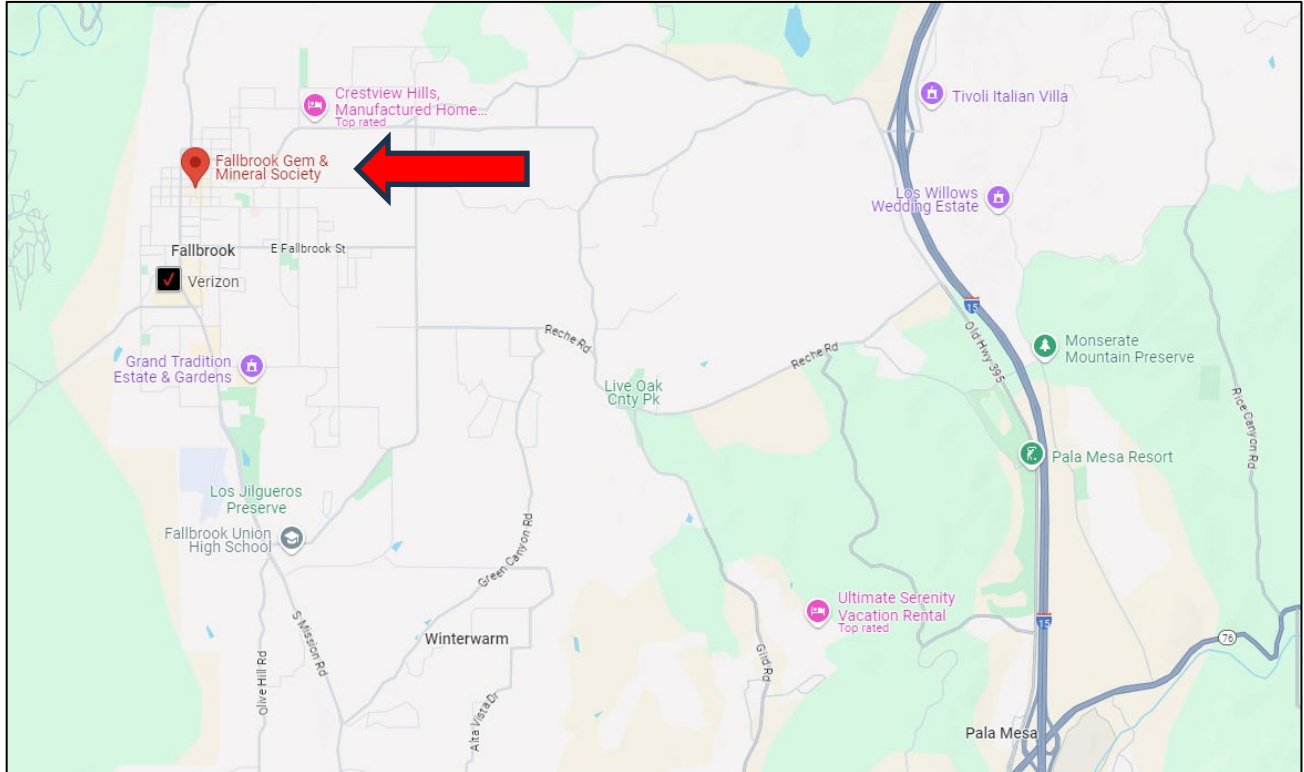
Speaker: Cynthia Delaney Palomares, P.G., P.E.

Title: How Climate Change Impacts Infrastructure?

Abstract: The terms global warming and climate change are often used interchangeably, but the two phenomena are different. Global warming is the rise in global mean temperature due to the release of heat trapping gasses like carbon dioxide and methane. Climate change is a more general term that refers to changes in many climatic factors (such as temperature and precipitation) from the global to the local scale. These changes are happening at different rates and in different ways in response to global warming. The timing and amount of rainfall is changing, which is generally resulting in more severe storms. In addition, global warming and associated climate change is shrinking ice caps, melting glaciers, causing water shortages, causing sea level to rise and increasing wildfire risk. The climate is becoming

more extreme in response to global warming. As a result, infrastructure (e.g. buildings, roads, power supplies) are being impacted at an alarming rate. A record number of hurricanes, wildfires and floods cost the world \$210 billion in damage in 2020. Specific weather related impacts, and potential mitigation to infrastructure will be discussed.

Meeting Location Map:



Directions:

From I-15:

1. Take I-15 north toward Fallbrook.
2. Take exit 51 toward Mission Road/Fallbrook.
3. Turn left onto Old Hwy 395.
4. Slight right onto Mission Road.
5. In 4.4 miles, turn left onto N. Brandon Road.
6. In 0.2 miles, turn right onto E. Alvarado Road.
7. In 0.4 miles, Fallbrook Gem & Mineral Society is on the right.

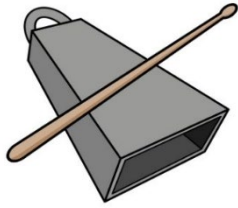
Speaker: Cynthia Delaney Palomares, P.G., P.E.

Bio: Cynthia Delaney Palomares has over 30 years of experience as both an Engineering Geologist and Environmental Engineer. Her last position was as an Adjunct Instructor (retired), at Texas A&M University, Texas Engineering Extension Service (TEEX) in College Station, TX, from 2016 –2020. As an adjunct instructor, Ms. Palomares conducted training courses for environmental professionals for certification of Hazardous Waste Operations and Emergency Response. Prior to working for TEEX, Ms. Palomares was a Project Manager, at Texas Commission on Environmental Quality, Austin, TX, from 1993 –2016. As a project manager in the Industrial & Hazardous Waste Permits Section, Ms. Palomares reviewed and evaluated hazardous waste permit applications, compliance reports and notices of waste management activities for both regulatory and technical completeness to ensure compliance with applicable hazardous waste, radioactive waste and Texas Risk Reduction Program rules and regulations. In addition, Ms. Palomares was a member of the Waste Permits Division Disaster Response team and was also a project manager for RCRA Authorization rule projects that adopt EPA hazardous waste amendments into Texas Administrative Code regulations. Prior to her position as a project manager in the I&HW Permits Section, Ms. Palomares conducted technical reviews and processed applications for underground injection control (UIC) and in situ leachate uranium mining facilities in the UIC/Radioactive Waste Section of the TCEQ. In 2016, Ms. Palomares was recognized for 25 years of service with the State of Texas. Prior to employment with the TCEQ, Ms. Palomares was employed as a staff scientist for Westinghouse Hanford Company in Richland, Washington for 3 years.

Ms. Palomares earned a Bachelor of Science in Engineering Geology from Texas A&M University, College Station, TX, and a Master of Science in Engineering Geology from Texas A&M University, College Station, TX in 1990. She is both a licensed Professional Geologist and Licensed Professional Engineer in Texas.

Ms. Palomares joined AEG in 1986 as a student member of the Lone Star student chapter at Texas A&M University. In 1990, she was awarded the “Best Student Presentation Award” at the Texas Section Spring Meeting. In 2011, she was awarded the “Floyd T. Johnston Outstanding Engineering Geologist Award” at the Texas Section Fall Meeting. In 2022, she was awarded the Association-level “Floyd T. Johnston Outstanding Engineering Geologist Award” at the AEG Annual Awards Banquet in Las Vegas, Nevada. Service to AEG includes the following positions: Lone Star Student Chapter Officer (1986-1990), Washington Section Field Trip Coordinator (1991-1993), Texas Section Board (2001-2012), 2010 Shlemon Specialty Conference Chair on “Gulf Coast Subsidence and Sea-level Rise”, Governance Committee member (2010-2012), Section/Chapter Support Committee Chair (2012-2018), AEG Strategic Planning Committee Co-Chair (2014-2016), DEI Committee Member (2020-present), AEG Executive Council (2016-2021), Floyd T. Johnston Outstanding Engineering Geologist Award (2022).

AEG/GSA Dr. Richard H. Jahn’s Distinguished Lecturer in Environmental and Engineering Geology (2023-2024.)



President's Cowbell Corner

Welcome to an early edition of our mostly monthly newsletter. Due to the November meeting being held on the 1st Wednesday of the month instead of the usual 3rd we needed to rush this out so you can sign up in time and have a happy Halloween!

As 2024 winds down, we are excited to have a joint meeting with AEG early in November at the Fallbrook Gem & Mineral Society, with Distinguished Jahn's Lecturer Cynthia Palomares.

October's meeting brought Dr. Mike Ziegler's unique perspective in his very interesting presentation on the effects of gravity and especially zero gravity on the human body. He showed in great detail the processes, modifications, and equipment needed for extended space travel, as well as short visits. Those who attended came away with a new awareness of the personal difficulties of space travel.

- John

UPCOMING 2024 SDAG MEETINGS

*November 6, 2024 (1 st Wednesday)	Joint Meeting with AEG Inland Empire Section / Jahn's Lecturer Cynthia Palomares at Fallbrook Gem & Mineral Society.
December 18, 2024	Traditional Holiday Celebration at the NAT with Tom Demere.

*Departure in regularly scheduled meeting date (Highlights)

SDAG PUBLICATIONS

<https://www.sandiegoeologists.org/Publications.html>

JOB ANNOUNCEMENTS

<https://www.sandiegoeologists.org/Jobs.html>

2025 SDAG MEMBERSHIP

Renew or become a new SDAG Member - 2025 Member Dues are Due!

On-line Payment (\$30 Member; \$10 Student):

<https://www.sandiegoeologists.org/MemberForm.pdf>

Mail in or Bring FORM to Meeting:

<https://www.sandiegoeologists.org/MemberForm.pdf>

DID YOU KNOW THAT SDAG HAS A FACEBOOK PAGE?

Here is a link to the SDAG Facebook page:

<https://www.facebook.com/sandiegoeologists.org>

2025 Corporate SDGS Sponsors

Renew or become a new 2025 SDAG Sponsor - Minimum \$100 includes annual Membership.

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<https://www.geotours.us> Matt Ebiner has led GeoTours groups to 82 countries.

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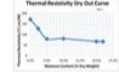


ENGEEO has an office in San Diego and offices throughout the United States, New Zealand and Australia. ENGEEO offers geotechnical, environmental, water resources engineering and construction services.

PROJECT X CORROSION ENGINEERING



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Corrosion Packages recommended by corrosion engineer & metallurgist or order "a la carte".
3-Day or Less Turn-Around-Time.
Only 400g soil sample needed!



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Only 3 lbs of soil needed!

<https://projectxcorrosion.com>

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