

# SDAG

## Meeting Announcement

Wednesday November 16th 2022

**HAPPY HOUR- 6:00 PM    DINNER - 7:00 PM**  
**PRESENTATION - 7:30PM    EVENT ENDS: 9:00 PM**

### LOCATION    CASA GUADALAJARA OLD TOWN

**MEMBERS: \$40.00**  
**STUDENTS: \$25.00**  
**NONMEMBERS: \$45.00**

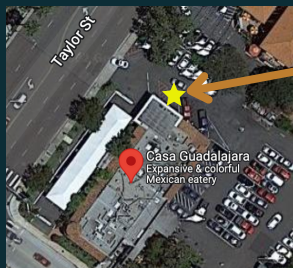
#### INCLUDES:

**MEXICAN BUFFET**  
(Vegetarian Options included in Buffet)  
**CASH BAR: Beer + Cocktails**

Click [HERE](#) for reservations

**PLEASE RSVP BY TUESDAY AT 2PM**  
This will help us tell the restaurant  
a more accurate number

**PLENTY OF  
PARKING  
ON SITE!!!**



**PRIVATE  
ENTRANCE  
HERE**

# SDAG *Newsletter*

## Geological Causation Assessment of a Killer Landslide

Southern Highlands  
Papua New Guinea

**Eldon Gath**

**Richard H. Jahns Distinguished  
Lecturer in Applied Geology - 2015**  
Geological Society of America & Association of  
Environmental and Engineering Geologists



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## TITLE:

## Geological and Geotechnical Investigation into the Causes of a Killer Landslide

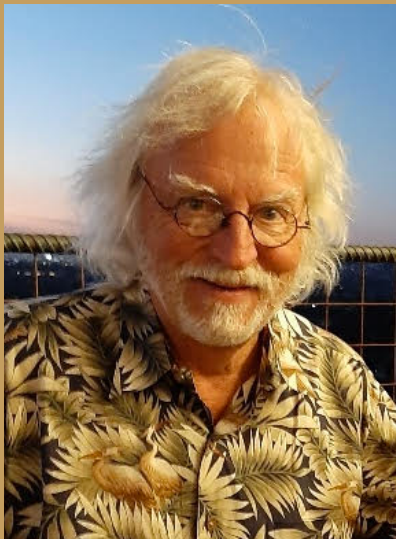
### ABSTRACT

The Mid-Coast Corridor Transit Project is one of the largest public transit infrastructure projects ever constructed in San Diego, California. The project is an 11-mile light-rail transit (LRT) system link between Old Town and University Town Center connecting residential areas, retail, business, education, and medical centers. The \$2.2 billion project includes 11 bridge crossings, 3 elevated viaducts, 4 at-grade stations, 98 retaining walls, 5 aerial transit stations with pedestrian bridges, 13 traction power substations, 2 public parking garages, and 2 park-and-ride facilities, and associated street improvements. Detailed earthquake and fault rupture hazard studies were performed to determine location, activity, rupture, displacement, and ground motion design parameters. The numerous unique retaining walls (i.e., gravity, cast-in-place (CIP), mechanically stabilized earth (MSE), soil nail, anchored, soldier pile, sheet pile, slope paving, and counterfort) and various ground improvements imposed many challenges. The rail corridor-wide project also included a replacement double-track bridge over the San Diego River for Los Angeles–San Diego–San Luis Obispo (LOSSAN) heavy rail.

The Mid-Coast project was awarded the 2022 Outstanding Project of the Year by CalGeo.



# SDAG *Newsletter*



## Eldon Gath

Founder and President of Earth Consultants International, is a Past-President (1996-97) and Life Member of AEG. He served on the AEG Board of Directors from 1990-1998 and 2016-2019, was the 2014-2015 Jahns Lecturer, and granted the Floyd T. Johnston and E.B. Burwell awards. He has served on numerous technical committees and advisory boards for the U.S Geological Survey, National Research Council, Southern California Earthquake Center, State of California, IAEG, EERI, and others. Eldon has worked on projects throughout California and other western states, and in a dozen countries as diverse as Taiwan, Japan, Papua New Guinea, Panama, and

Turkey. His projects have included gas storage fields, oil field redevelopment, city and county hazard management plans, pipelines, canals, dams, tunnels, and hundreds of "typical" engineering geology and fault studies for development planning, design, and construction.



# SDAG *Newsletter*

## PRESIDENT's CORNER

Hello SDAG Members!

I hope this newsletter finds you all happy happy. We are back for the final two meetings of the year and this one should be a good'n. Eldon Gath will be speaking this month on the large landslide in the Southern Highlands of Papua New Guinea that was devastating for the area. He will go over the case study and its results concerning assessment of causation. For all of us landslide fans (no pun intended), it should be a lot of fun.

**SDAG will be looking to fill the Vice President position next year.** If there is a brave soul among you that would be willing to step into that position and follow up as President the next year, please send an email to myself or Mariana with your response. As VP, your responsibilities would mainly be focused on the annual field trip and accompanying guidebook. Someone with a trip already in mind would be best, however we have a great group of people that are available to help support the VP if not.

Don't forget our annual meeting at the Natural History Museum with Tom Demere on December 14th .Save the date!

And, as always, don't forget to fill out and send in your membership forms (and sponsorship forms, too)!

Cheers,  
Luke Weidman



# SDAG *Save the Date!*

**SAVE THE DATE** – Noon-1:00pm  
Friday December 2nd

**PRELIMINARY ANNOUNCEMENT:**  
A (VERY) SHORT COURSE ON THE IDENTIFICATION  
OF PALEOLANDSLIDES

A very short course on the identification of Paleolandslides will be presented for an hour by Mike Hart at noon on Friday December 2nd, 2022. The course is intended for engineering geologists wanting to improve their landslide identification skills. The course will take you through a landslide time warp beginning with how a slide looks at infancy through old age and the last topographic evidence of existence. Although intended primarily for professional geologists with no or little experience with landslide investigations it should also be of interest to geotechnical engineers wanting to gain an understanding of how geologists identify landslides by their diagnostic landforms. A take-home mapping exercise to gauge their new landslide identification skills will be available on request.

**Short Course Cost:** There will be no cost to attend. Although a donation of \$40 is highly suggested to help fund the annual SDAG Student Scholarships. Any donation amount can be paid by mailing a check or using the following PayPal link which also allows Debit or Credit Cards. If paying by check, make payable to "San Diego Geological Society, Inc." a 501(c)3 public benefit nonprofit educational corporation and mail the check to: San Diego Geological Society, Inc., 3130 North Evergreen Street, San Diego, CA 92110.

If paying by PayPal, click on the yellow "Donate" button on the [SDGS web page](#)



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# SDAG *Save the Date!*

**SAVE THE DATE** – Noon-1:00pm  
Friday December 2nd

**PRELIMINARY ANNOUNCEMENT:**

**A (VERY) SHORT COURSE ON THE IDENTIFICATION OF PALEO  
LANDSLIDES**

**Short Course Time & Zoom Link:**

Dec 2, 2022 12:00 PM Pacific Time (US and Canada).

The course will be one hour presented via Zoom. The Zoom time is scheduled from noon to 1:30pm to accommodate any questions or discussion after the one-hour course.

The following link will join this Short Course meeting at noon on Friday December 2nd: **[CLICK HERE](#)**

Questions? Email Mike at: [mwHart40@gmail.com](mailto:mwHart40@gmail.com)

**A brief Bio:**

Mike is a Certified Engineering Geologist and has practiced in the southern California area for over 50 years. Mike is a graduate of San Diego State University (M.S.1972, Landslides of West-Central San Diego County, California). Since leaving Geocon 1992 he has been an independent engineering geology consultant. His interest in landsliding began during undergraduate studies at SDSU; an interest that ultimately led to a career-long, slightly irrational, fascination with landslides. Mike has been involved with numerous landslide investigations and has published extensively on landsliding in southern California.



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# SDAG Newsletter



*Diamond*



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