

The Official

AEG OREGON CHAPTER NEWSLETTER

<http://www.aegoregon.org>

Meeting Details:

Date: Wednesday, April 05,
2023 7:00 pm Hybrid
Old Market Pub 6959
SW Multnomah Blvd

RSVP

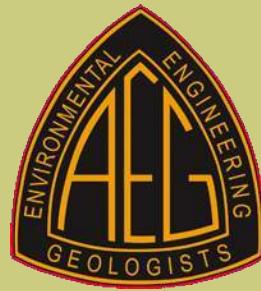
In-Person \$25
Cash or check.
Cards please use
link above.

Agenda:

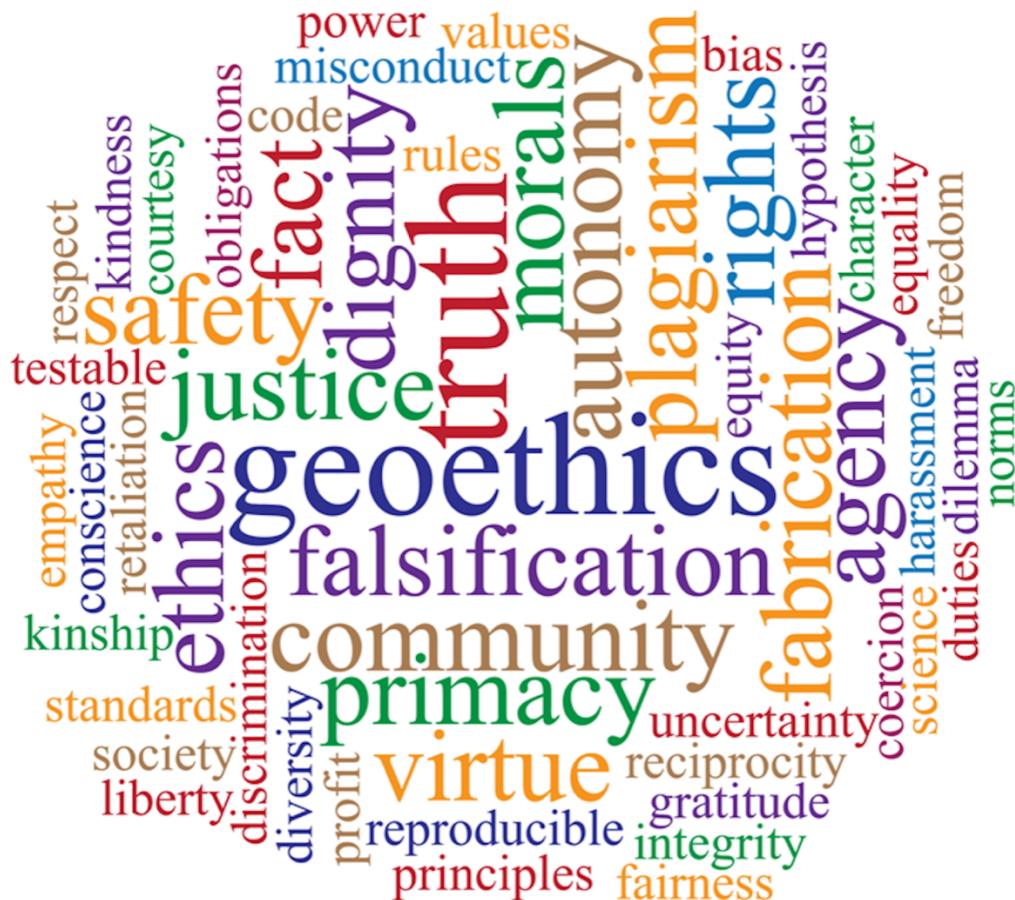
5:30 - 6:30 pm Social
6:30 - 7:00 pm Dinner
7:00 pm Presentation

UPCOMING MEETINGS:

May 16 2023--
Student Poster Night



Geoethics is at the Heart of Engineering Geoscience



There is no reason for engineering geology to exist as a profession if we do not provide society with useful and reliable information about the Earth. This talk will focus on a few case studies that illustrate the "primacy principle" that in our professional work, the health, safety, and wellbeing of the public are paramount. The ethical practice of engineering geology requires a firm commitment to the truth and to the responsible conduct of geoscience in the public interest.

*Geologists have a
saying - rocks
remember.*

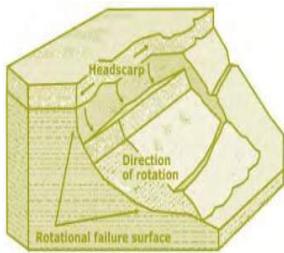
Neal Armstrong



Vince Cronin, Ph.D.



Dr. Cronin was a university-level geoscience educator from 1988 until May, 2022, retiring as an emeritus professor. He was selected as the Richard H. Jahns Distinguished Lecturer for 2022-23 by the Association of Environmental and Engineering Geologist and Geological Society of America. He continues to edit the AGI/NAGT Laboratory Manual in Physical Geology (11th & 12th editions). He also is writing a book on plate kinematics, writes and lectures about geoethics, and conducts research on seismogenic faults. He is the North American Coordinator for the International Association for Promoting Geoethics.



Message from the Chapter Chair

Hello Oregon Chapter!

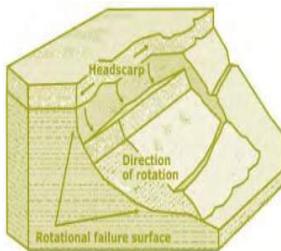
The days are getting longer, plants are starting to bud out, and we're nearing our final speaker presentation before our summer break. We've very excited to close out our presentation series with a talk from Dr. Vince Cronin, the current AEG Jahns Lecturer. Because we're coordinating Dr. Cronin's trip with the Nisqually and Puget sound chapters, **our April meeting is much earlier than normal - on Wednesday April 5**. Dr. Cronin will be speaking on geoethics and its importance to delivering quality geoscience. I'm sure it will give us all some things to think about as we move forward into field work season.

Looking ahead, May 16th will be our annual Student Night. We will be welcoming students from multiple colleges and universities to give poster presentations and talk about their work with our members. More information is available in the student night flyer on how to apply. If you're no longer a student, we're always looking for judges to help make the night a success! **There is no hybrid Zoom option for Student Night.** We looked into this last year, and the logistics just don't work.

Finally, the planning for the September AEG Annual Meeting hosted here in Portland, Oregon is in full force! We encourage all of you to submit an abstract, or a even a Project of the Year, and register to attend. **The deadline to submit abstracts is May 1.** We will not have a regular chapter meeting in September, because we want to encourage everyone who can to attend the annual meeting right here in town.

We hope you are all enjoying the occasional sunny day as spring gets close to arriving in force. We are looking forward to seeing everyone in person or virtually on April 5th. As always, if you have any problems with the virtual connection on the night of the presentation, feel free to email me (aine.mines@ccilt.com) and we'll try to trouble-shoot from OMP.

Yours,
Aine Mines
AEG Oregon Chapter Chair 2022-2023



*Geologists are never at
a loss for paperweights.*

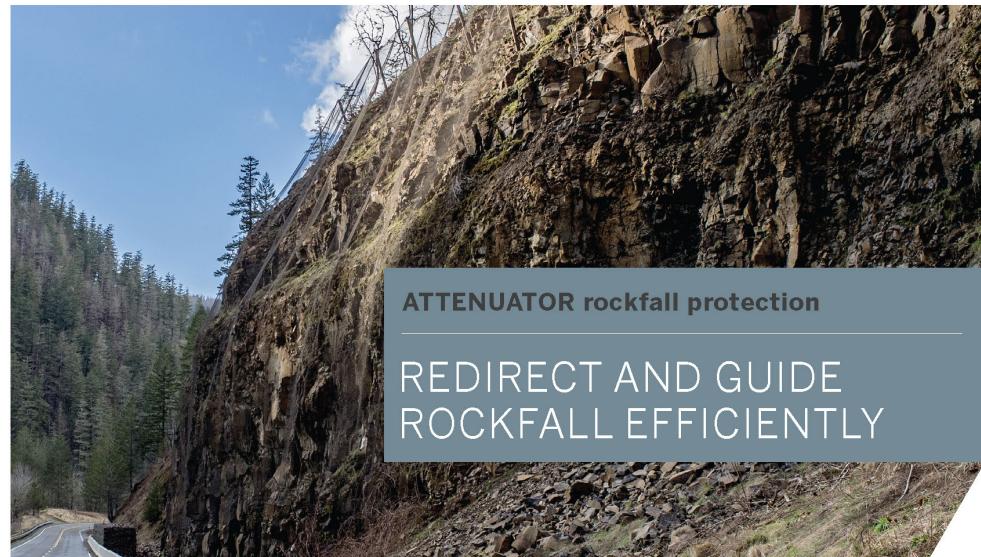
Bill Bryson



www.geobrugg.com/attenuator

GEOBRUGG®
BRUGG

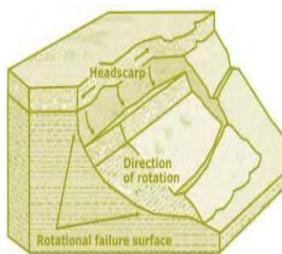
Safety is our nature



ATTENUATOR rockfall protection

REDIRECT AND GUIDE
ROCKFALL EFFICIENTLY

Geobrugg North America, LLC | 22 Centro Algodones | Algodones, NM 87001 | USA
T +1 505 771 4080 | www.geobrugg.com



PACIFIC
GEOPHYSICS
Applied Geophysics

GEOPHYSICAL SURVEYING
for environmental
and geotechnical
applications



503.501.7846
nikos@pacificgeophysics.com
www.pacificgeophysics.com



Your Environmental, Geotechnical & Clean Water Drilling Professionals

DRILLING DONE RIGHT.

Holt Services, Inc. is the largest and most experienced drilling company in the Pacific Northwest. Over 50 licensed drillers in 13 western states, mobilizing from three offices in Washington and Idaho.



Get In Touch

support@HoltServicesInc.com
(253) 604-4878



Quality People, Quality Results.

We engineer success stories.

PBS Engineering and Environmental Inc. is a trusted source of practical, sustainable solutions to the region's environmental and engineering challenges—enabling projects to succeed and communities to thrive.

PBSUSA.COM



ENVIRONMENTAL SERVICES • GEOTECHNICAL ENGINEERING • HEALTH & SAFETY • STRUCTURAL ENGINEERING • CIVIL ENGINEERING • SURVEY



Providing Quality
Geophysical Services
since 1984

EARTH DYNAMICS LLC

2284 NW. Thurman St.
Portland, OR 97210
(503) 227-7659
info@earthdyn.com

www.earthdyn.com

Engineering Geophysics:

- Seismic Refraction/Reflection
- Shearwave Velocity Studies
- Electrical Resistivity Profiling
- Ground Penetrating Radar
- Magnetics/Electromagnetics
- Gravity
- Marine Geophysics

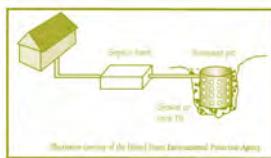
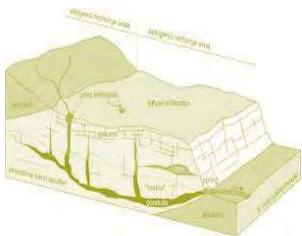
Vibration & Noise Analysis:

- Remote Vibration Monitoring
- Real-time Frequency Analysis
- Construction Monitoring
- Demolition Monitoring
- Blast Design and Monitoring
- Pre-construction Surveys
- Sensitive Equipment Certification

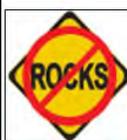
Rock Mechanics:

- Uniaxial Compressive Strength
- Direct and Triaxial Shear Strength
- Direct and Indirect Tensile Strength
- Dynamic & Static Elastic Moduli
- Thermal Properties
- Density & Porosity
- Moisture Content





Schematic of a Seepage Pit (Dry Well)



HI-TECH ROCKFALL CONSTRUCTION INC.

HI-TECH Rockfall is a General Contractor that specializes in Rockfall Mitigation and has been the industry leader for over 18 years. Our Highly Trained & Skilled Employees provide us the Highest Safety Record in the Industry.



Products and Services include:

Highwall Stabilization

Wire Mesh Drapery

Rock Scaling

Rock Bolts

Rock Dowels

Shotcrete

Rockfall Barriers

Avalanche Nets

Instrumentation Installation

Rope Access Work

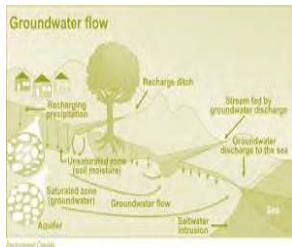
HI-TECH Rockfall Construction, Inc.
P.O. Box 674, Forest Grove, OR 97116

Office: (503) 357-6508
www.hitechrockfall.com



We Service Multiple Industries which include:
Government & Military **Highways**
Mines & Quarries **Railroads**
Commercial & Residential **Utilities**





We learn geology the morning after the earthquake.

Ralph Waldo Emerson

Rock Supremacy



Slope Stabilization

We are a one-stop-shop for your next retaining wall project from a basic cantilevered concrete, battered micropile foundation or a heavy duty anchored soldier pile wall.



Rockfall Mitigation

We are highly skilled in stabilizing rock slopes using pinned Tecco® systems, cable/ring netting, and double twist wire mesh. We also perform rock scaling, rock bolting/doweling and many other rockfall mitigation measures.



Drilling

We have extensive experience in drilling multiple variations of rock bolts/rock dowels, cable anchors, micropiles, rock sockets, tie-backs or horizontal drains in all types of subsurface environments.



Tunnel Rehabilitation

We specialize in rehabilitating or providing new tunnel construction with steel set erection, road heading, tunnel notching, liner removal, and applying shotcrete.



Shotcrete

We use a proprietary formula to effectively seal canals, soil nail walls or rock/soil surfaces. Our mix design is extremely durable and can be colored to match existing native landscapes. We also perform sculpting & staining services.



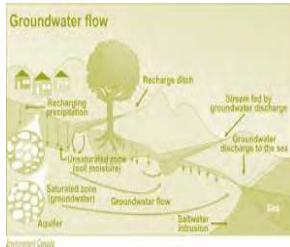
Landslide Remediation

We have years of experience solving landslide problems with a wide range of solutions to reach the perfect solution.



541.383.ROCK (7625) | Info@RockSupremacy.com | RockSupremacy.com

65147 N Hwy 97, Bend, OR 97701



- Drilled and Grouted Tie-Back Anchors
- Light Weight Fills: Foam & Cellular Concrete
- Geotechnical Drilling Explorations
- Shoring (temporary & permanent)
- Drainage, Including Horizontal
- Helical Anchors & Piles
- Drilled Shafts (caissons)
- Limited Access Drilling
- Landslide Stabilization

**SOIL and FOUNDATION
STABILIZATION SOLUTIONS
GEOTECHNICAL EXPLORATIONS**
in OREGON and WASHINGTON

503.649.8111 info@plisystems.com

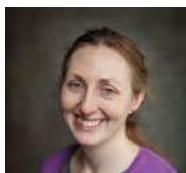
- Elevator Jack Shafts
- Displacement Piles
- Wall Construction
- Sheet Pile Walls
- Injection Boring
- Underpinning
- Rock Anchors
- Rock Coring
- Dewatering
- Pile Driving
- Micropiles
- Shotcrete
- Soil Nails
- Grouting
- Pin Piles
- SPT

*We learn geology the
morning after the
earthquake.*

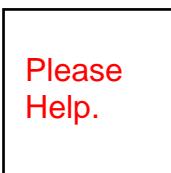
Ralph Waldo Emerson



Chapter Officers & Committee Chairs



Chair:
Aine Mines,
Cornforth Consultants , Inc.
aines@cornforthconsultants.com



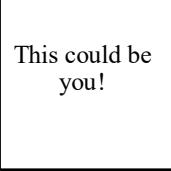
Program Chair:
**Volunteer
Needed**



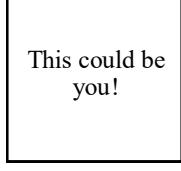
Legislature Chair:
Sebastian Dirringer
Cornforth Consultants
SDirringer@CornforthConsultants.com



Chair -Elect:
Ryan Cole
FHWA Western Federal Lands
ryan.cole@dot.gov



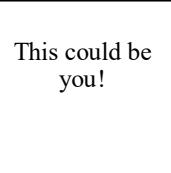
Field-Trip Chair:
**Volunteer
Needed**
Please Help



Newsletter Editor:
**Volunteer
Needed**
This could be you!



Treasurer:
Nikos Tzetas
Pacific Geophysics
nikos@pacificgeophysics.com



Membership Chair:
**Volunteer
Needed**
Please Help



Webpage Editor: Rud Moe
PSU Graduate Student
rudlambmoe@gmail.com



Secretary:
Nick Farny
FHWA Western Federal Lands
nicholas.farny@dot.gov



**The Oregon Chapter is also on
the web at**
<http://www.aegoregon.org>
National AEG webpage:
<http://aegweb.org>



Past-Chair:
Nancy Calhoun
DOGAMI
nancy.calhoun@oregon.gov

Subscribe to the newsletter by sending any e-mail to
aegoregon-subscribe@groups.electricmembers.net

PSU Student Chapter President:
Rud Moe
Portland State University

Thanks For Supporting AEG

Members, Volunteers, Cornforth Consultants Inc., DOGAMI, Earth Dynamics LLC., Federal Highways (FHWA), Geobrugg, GRI, Hi-Tech Rockfall, Holt Drilling, NACSE, ODOT, Oregon State University, Pacific Geophysics, PBS Engineering & Environmental, PLI Systems, Portland State University, Rock Supremacy, Western Oregon University

The AEG Oregon Chapter Newsletter

The Association of Engineering Geologists (AEG) contributes to its members' professional success and the public welfare by providing leadership, advocacy, and applied research in environmental and engineering geology. AEG's values are based on the belief that its members have a responsibility to assume stewardship over their fields of expertise. AEG is the acknowledged international leader in environmental and engineering geology, and is greatly respected for its stewardship of the profession.

AEG OREGON CHAPTER NEWSLETTER is published monthly from September through May. Subscriptions are for members of AEG affiliated with the Oregon Chapter or other Chapters, and other interested people who have requested and paid a local subscription fee of \$10.00. E-mail subscriptions are free. News items are invited and should be sent to: Aine Mines, AEG Oregon Chapter Chair, Cornforth Consultants, Inc., 10250 SW Greenburg Road, Suite 111, Portland, OR 97223, e-mail: aines@ccilt.com, phone (503) 452-1100. Electronic media is preferred. Deadline for submittal is the 25th of the month. Advertising: business card size \$100/yr; 1/4 page \$200/yr; 1/2 page \$350/yr; 1 page \$450/yr.

