



Lead Lines



Eastern Pennsylvania Chapter
International Society of Explosives Engineers
www.easternpaisee.com

Volume 28 Number 2

Spring 2021

The Eastern PA ISEE welcomes requests for topics, and invites readers' letters and other contributions that relate to drilling, blasting, seismology and explosives engineering.

Executive Committee

Scott Mueller, President

215-518-9833

Ethan Huff, Vice President

570-455-5861

Ethan Huff, Treasurer

570-455-5861

John Benedict, Secretary

570-401-4897

Board of Directors

Chris Balshi 610-282-8900

Ron Eichler 410-671-6700

Don Haney 570-729-0405

Dave Harrison 724-449-6250

Danny Ray Leach 717-574-4024

Justin Smith 610-926-7070

Doug Rudenko 570-455-5861

Rusty Taft 814-766-2211

Matt Tomlin 610-965-2444

Regulatory Committee

John Benedict

Program Committee

Danny Ray Leach

Training Committee

Dave Harrison

Membership Committee

Doug Rudenko

Newsletter Editor/Webmaster

Kristin Klemish

Date Change!

Virtual Joint Chapter Meeting

The Eastern PA Chapter,
Mid Atlantic Chapter and
Penn State Student ISEE and SME Chapters
are excited to host a virtual joint meeting

Thursday, April 8th at 6:00pm

The meeting will include Chapter updates and
announcements followed by a guest presentation by

Nolan Eckroade
North American Services Lead
Orica

No Wires, No Worries –
Introducing Truly Wireless Electronic Blasting

Join the meeting at
<https://psu.zoom.us/j/96984960857>

Lead Lines



Letter from The President

Dear Members,

We are excited to host another virtual meeting with the Penn State University ISEE Student Chapter. In addition to chapter updates we will hear Nolan Eckroade from Orica speak on wireless electronic blasting. Learn more about Nolan's presentation on page 3 and use the link provided on Thursday, April 8th to participate in the virtual chapter meeting.



For anyone needing credit hours for their blasting licences, the International Society of Explosives Engineers has a four-part webinar series to fill this training void. Check out the listing of presentations featured on page 9 of *Lead Lines* and visit www.isee.org to register.

Finally, please save the date for our 5th annual Clay Shoot & BBQ for Thursday, October 28th. We will have more details and registration information available over the summer.

Best regards,

Scott

Dimension Supply

Energetics for Industry

DIMENSION SUPPLY, Inc.

1034 Oak Grove Road, Morrisdale, PA 16858

814/571-2484 C 814/343-4700 O 814/343-4800 F

jkwhitaker@verizon.net

Kirk Whitaker, President



American Rock Mechanics, LLC

LEHIGH VALLEY'S
PREMIER DRILLING AND BLASTING COMPANY

610-965-2444



www.amroc.us



Chapters To Host Joint ZOOM Meeting

On Thursday, April 8, 2021 at 6:00pm the Eastern PA Chapter, Mid Atlantic Chapter and Penn State Student ISEE and SME Chapters will come together to host a joint virtual meeting. The meeting will include Chapter updates and announcements followed by a guest presentation by Nolan Eckroade, North American Services Lead of Orica. He will present, “No Wires, No Worries – Introducing Truly Wireless Electronic Blasting”.

Nolan’s presentation will look at a wireless electronic blasting system for mining. Wireless initiation through rock, air and water is achieved using low frequency magnetic induction waves to send a firing command to groups of in-hole primers. This not only removes the limitations imposed by a wired connection to each primer in a blast, but also enables users to alter the paradigm of conventional mining techniques to advance operational productivity and reduce personnel exposure to high-risk activities. Nolan will discuss how wireless electronic blasting is transforming both surface and underground applications across the globe.



Nolan has worked within the mining and explosives industry for 10 years starting as a proud alumnus of Virginia Tech’s Mining & Minerals Engineering program. Nolan joined Orica after graduating and has held roles within operations, technical services, wireless initiation systems, and most recently regional marketing of Orica’s explosive delivery services.



SHAWN SULLIVAN
OPERATIONS MANAGER

1150 Glenlivet Drive
Suite # A21-22
Allentown, PA 18106
Office: (484) 364-5501
Cell: (518) 225-1735

ssullivan@kemekllc.com



James M. Miller
J.M. Miller, Inc.
www.jmmillerinc.com

301 Airport Road
Indiana, PA 15701

(724) 349-8850 phone
(724) 349-8852 fax
(724) 388-7505 cell

jmiller@jmmillerinc.com

Lead Lines



Prizes
Awarded!

Gun Raffle!

2021 Clay Shoot & BBQ

Thursday, October 28, 2021

11:30am - 5:30pm

Lehigh Valley Sporting Clays

2750 Limestone St., Coplay, PA

The event is FREE for Members or \$35 for Non-Members



**MAURER & SCOTT
SALES, INC.**

122 E. Thomas Street
Coopersburg, PA 18036-2100

Office 610-282-8900
Fax 610-282-9800
Email: info@maurer-scott.com

Rocky Rift Consulting, Inc.

- Pre-Post Conditional Inspections
- Seismic Monitoring
- Damage Claim Investigation
- MSHA Training
- Blasting/Utility Inspector



DON HANEY
966 Calkins Road
Milanville, PA 18443

(570) 729-0405
Cell (570) 656-2273
dlhaney@ptd.net



ATF: Report Explosives Theft or Loss

Any person who has knowledge of the theft or loss of any explosive materials from their stock must report such theft or loss within 24 hours of discovery to ATF and to appropriate local authorities. (Regulations at 27 CFR § 555.30, implementing section 842(k), require that the report of theft or loss be made by telephone and in writing to ATF).

Upon discovery of any theft or loss of any of your explosive materials:

1. First, call the nearest ATF office or the toll free number 1-888-283-2662 for information on the ATF office located nearest you. ATF will work with the local law enforcement authorities investigating the theft. They can also assist in the preparation of the Theft / Loss Report for submission.
2. Second, call your local law enforcement office to report the theft or loss. Contacting the local law enforcement authorities is essential to the quick recovery of explosives taken in a crime. If the explosives are lost or missing, you should make it clear to the authorities that there is no evidence of a crime and that the disposition of these explosive materials is unknown / unrecorded.
3. Third, complete the report form (ATF Form 5400.5) and attach any additional sheets or invoices necessary to provide the required information and mail or fax it to the ATF office located nearest you. Be sure to submit the original form(s) to ATF and retain copies for your records.

Please note that it is not uncommon to find that you sold explosive materials previously reported as stolen or still have them in inventory. If you report explosive materials as stolen inaccurately, it hampers law enforcement's ability to solve the crime or may jeopardize prosecution. Please immediately correct inaccurate reports.

The U.S. Bomb Data Center staff is available to assist with any questions you may have regarding the reporting of theft or loss of explosive materials. Contact the U.S. Bomb Data Center at 1-800-461-8841.

ATF Form 5400.30 (Type 60 coupon)

In the event of the loss, theft or destruction of an ATF Form 5400.30 (Type 60 coupon) upon discovery, the coupon holder should immediately contact ATF at: 1-888-ATF-BOMB (1-888-283-2662) and do so within 24 hours of discovery.

Last Reviewed March 11, 2021

HAYDUK ENTERPRISES, INC.

1-800-542-5352
BLASTING AND DRILLING
JACOB HAYDUK

257 Riverside Drive
Factoryville, PA 18419
e-mail: jacobhayduk@outlook.com

Local: (570) 945-3242
Cell: (570) 903-1597
Fax: (570) 945-5627



Rocklock Stemming Plug Improves Blasting Efficiencies

Advanced Blasting Technology, Inc.

RockLock Stemming Plugs are high-tensile, plastic spheres that reduce and control the random variables leading to borehole venting and stemming ejection. By improving confinement, RockLock improves fragmentation, enables the explosive to be loaded higher into cap rock and greatly reduces fly rock occurrences for optimum safety. In decking applications, RockLock enhances confinement eliminating deck to deck pressures improving vibration control and explosive performance.

<http://abtechinc.biz/>

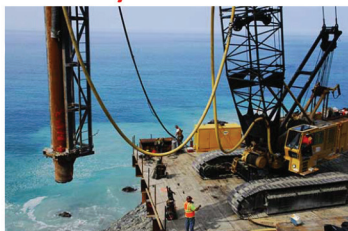


YOUR ONE STOP SHOP

- Oil & Gas
- Mining & Aggregate
- Construction & Foundation
- Waterwell & Exploration

Somerset, PA • Punxsutawney, PA • Norwich, OH

keystonedrill.com • sales@keystonedrill.com



Epiroc (800) 221-0586 DOOSAN



reichdrill
EUROFORGROUP

QUALITY
DRILLING
EQUIPMENT

Patrick J. Garrity
President

U.S. Corporate Office:
99 Troy Hawk Run Hwy.
Philipsburg, PA 16866
www.rtdrill.com

Ph: 814-342-5500
Fax: 814-342-1135
Cell: 814-308-4300
Email: pgarrity@reichdrill.com



Terra-Mechanics, Inc.

Dave O'Brien
Area Manager

P.O. Box 5137
Limerick, PA 19468

Phone: 610-970-6950
www.Terra-Mechanics.com

E-mail: Dave.Obrien@Terra-Mechanics.com

PILE DRIVING CONSTRUCTION BLASTING
DEMOLITION PIPELINE DRILLING

**RECOGNIZED WORLDWIDE AS A LEADING
MANUFACTURER OF SEISMOGRAPH EQUIPMENT**



Our equipment allows you to monitor ground vibrations and air over-pressure with ease and accuracy. They can be used for most vibration and sound monitoring activities. This includes blasting operations, pile driving operations, construction equipment activity, environmental activity, ambient levels, and any other operation where a permanent record is needed. Our complete line of seismographs meets or exceeds ISEE standards.

CONTACT US TODAY FOR YOUR SEISMOGRAPH NEEDS

Lead Lines



DETAILS MATTER IN ALL WE DO.



AUSTIN POWDER

MINING

The details are in our DNA.
Learn more at austinpowder.com

(814) 342-1681 • scott.kassab@austinpowder.com

NOBEL INSURANCE SERVICES®

Insuring the Explosives Industry

Charlie M. Pollard
Marketing Director

122 WEST JOHN CARPENTER FREEWAY, SUITE 110, IRVING, TX 75039
TEL. (800) 766-6235 x4121 • (972) 644-0434 x4121 • FAX (972) 644-0424
cpollard@lancerinsurance.com • www.nobelinsurance.com
A Division of Lancer Insurance Company



Samuel Long
Territory Manager- US North

Orica USA, Inc.
7000 Stitzells Road
Greencastle Pennsylvania 17225
E-mail: samuel.long@orica.com
Cell +1-717-494-9934



Ed Ciocco

Account Manager
eciocco@iexpsco.com
484.614.9313

Mark Proctor

Account Manager
mproctor@iexpsco.com
315.430.4683

2700 W. Center Street • Tremont, PA 17981



JUSTIN SMITH
Drilling & Blasting Coordinator

Excelsior Industrial Park • P.O. Box 69 • Blandon, PA 19510
Phone 610-926-7070, Ext. 123 • Fax 610-926-7171
E-mail: jsmith@schlouch.com • Mobile 484-256-2025



ISEE Blasters Training Webinar Series Now Available On-Demand!

Blasters Training Webinar Series - Part 1

Approximately 4 hours - Cost \$100

- 1-1 Fundamentals of Blast Design
by Joe Nawrocki, Senior Technical Manager, Dyno Nobel
Presentation sponsored by Tradestar
- 1-2 Importance of Communication Between Drillers and Blasters
by Seth Burns, ISG Manager, Nelson Brothers
Presentation sponsored by Montabert
- 1-3 Explosive Products: Properties and Application
by Alastair Torrance, Principal, Kilmore Consulting Pty Ltd
Presentation sponsored by O-Pitblast
- 1-4 Preventing Flyrock Through Good Blast Design and Delay Timing
by Richard O'Meara, US Technical Services Director, Orica
Presentation sponsored by Lubrizol

Blasters Training Webinar Series - Part 2

Approximately 4 hours - Cost \$100

- 2-1 Close In Construction Blasting
by Mike Koehler, President, B.E. Consultants, Inc.
- 2-2 Blaster's Math
by Bill Necker, Manager of Technical Services, Maurer & Scott
Presentation sponsored by GeoSonics/Vibra-Tech
- 2-3 Legal Advantages of Good Blast Reports/Recordkeeping
by Kelly Ratliff and Ralph Burnham, Attorneys, Reminger Co., LPA
Presentation sponsored by JM Miller, Inc.
- 2-4 Vibration Level One+
by Jeff Taylor, President, Sauls Seismic, LLC

On-Demand Training Details

Each four-hour webinar is valid for one certificate of completion. If you have previously taken the course and received a certificate, you will not earn another one by taking the quiz again. If this webinar is being taken for retraining credit hours, a 20-question quiz must be completed after watching the webinar in its entirety. Users who score 75 percent or higher, and who submit a signed affidavit stating the entire webinar was watched, will receive a certificate of completion. Register online at www.isee.org.

Several states have approved to accept this training including: Alabama, Colorado, Delaware, Hawaii, Indiana, Kansas, Kentucky, Maryland, Missouri, Montana, New York, Ohio, Pennsylvania, Tennessee, Virginia, Washington, West Virginia and Wyoming. Check ISEE's website for an up-to-date list of states.

Blasters Training Webinar Series - Part 3

Approximately 4 hours - Cost \$100

- 3-1 Geology Level One+
by Kurt Oakes, Senior Manager - Drill & Blast, Peabody Energy
Presentation sponsored by Dyno Nobel
- 3-2 Flyrock
by Jay Elkin, Wampum Hardware
Presentation sponsored by Tread Corporation
- 3-3 Bulk Explosives Equipment and Use
by Mark Curry, Technical Services Manager, Orica
Presentation sponsored by O-Pitblast
- 3-4 Blasting Safety Level One+
by Maggie Hettinger, Senior Technical Engineer, BME USA

Blasters Training Webinar Series - Part 4

Approximately 4 hours - Cost \$100

- 4-1 Public Relations
by Josh Hoffman, Director of Technical Services, IME
- 4-2 Preventing Block Movement/Misfires Through Good Blast Design and Delay Timing
by Frank Lucca, President, Terra Dinamica LLC
- 4-3 Loading Bulk Blasting Agents and Quality Control on the Bench
by Frank Sames, Technical Manager, Austin Powder Company
Presentation sponsored by Austin Powder Company
- 4-4 Transportation of Explosives
by Matt Spina, State Trooper, CT State Police

Webinar Series Partners



Platinum Sponsors



Gold Sponsors

Austin Powder, GeoSonics/Vibra-Tech, JM Miller, Lubrizol, Montabert, Tradestar, & Tread Corp.

Silver Sponsors

BME and IME



Chapter Treasurer Position Available

The Chapter Treasurer is a volunteer position responsible for collecting Chapter dues, sponsorship and advertising payments as well as paying invoices and reporting on the Chapter's financial status at quarterly Chapter meetings.

If you are interested in nominating yourself or someone else, please contact Scott Mueller at smueller@bluestonedrilling.com to be added to the list of nominations.



Meeting the equipment needs of the mining and construction industries in Pennsylvania.



HCR1100-ED ► HCR1100-ER ► HCR1450-EDII ► HCR1800-EDII ► DCR22 DTH

Furukawa Rock Drills provide the ultimate combination of performance and economy. Built tough, our Top Hammer, DTH and Pneumatic Drills are equipped with features that maximize efficiency to assure high-performance at a low operating cost.

To learn more, visit us online at www.FRDUSA.com or call **800.527.2282**.



Contact EAST WEST Drilling for information on FRD drills:

Tony Morell

Eastern PA Sales Rep
570.780.9325

Reggie Keller

Western PA, OH, MD, Northern VA and Washington D.C. Sales Rep
570.217.7636



Scan this code for more information on FRD USA.

TREAD CORPORATION

Global provider of superior bulk explosives handling equipment and support to the mining industry

since 1957...

And yes, we do more than build bulk trucks, call today for after market parts, system upgrades, & field service. Learn more about our mixing plants, storage bins & magazines at www.TreadCorp.com.

Visit us at the 2019 ISEE Conference, Denver.



Field Service

Storage Bins



Magazines

Parts



ProBlast3

Rebuilds



Mixing Plants

www.TreadCorp.com

540-982-6881

176 EastPark Dr., Roanoke, VA 24019



Epiroc

Epiroc Service Center
4479 Chambers Hill Rd
Harrisburg PA 17111
717-257-9300

Ron Eichler - Sales, Rentals and Tooling, 865-469-7315

Mark Johnson- Tooling Parts and Service Sales Support, 814-777-2822

 Epiroc

An aerial photograph of a city, likely San Francisco, with a large, deep crater in the foreground. The crater is filled with a large plume of dust and debris, suggesting a recent explosion or collapse. A car is visible on the right side of the crater. The city is densely packed with buildings and trees, and the background shows hills under a cloudy sky.

**YOU CAN'T MANAGE
WHAT YOU DON'T MEASURE.**

GeoSonics  Vibra-Tech

VIBRATION

GEOTECHNICAL

NOISE

AIR QUALITY

ENVIRONMENTAL

GeoSonics/Vibra-Tech provides expert monitoring and consulting services to help mitigate risk. Our Re:remote Monitoring Technology continuously collects and posts to a customized website, while keeping personnel notified through email and text alerts, so your data is always at your fingertips.

geosonicsvibratech.com



Calling All Students: ISEE Accepting Scholarship Applications

The SEE Education Foundation will be awarding \$95,000 USD in scholarships to students pursuing degrees related to the explosives industry. The scholarship acceptance period is February 26, 2021, to May 7, 2021.

To be eligible, students must be, or plan to be, pursuing a technical, undergraduate, graduate or doctorate degree in a field related to the commercial explosives industries. Students will be assessed on academic and professional achievements, industry goals, a personal challenges narrative and a brief statement of financial need. Download the application using the below link.

<https://isee.org/news/590-calling-all-students-isee-accepting-scholarship-applications-3>

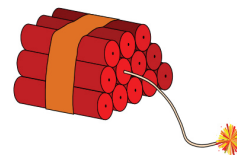
Each year, the scholarship committee reviews and scores applications from students in a wide range of disciplines and makes awards ranging from \$1,500 USD to a top award of \$7,500 USD to well-qualified students.

About the SEE Education Foundation

The SEE Education Foundation is a nonprofit organization created in 1996 to serve the long-term education interests of the explosives industry through the development of education and training materials, championing the inclusion of explosives instruction in engineering curricula and awarding scholarships to eligible students.

Explosives Insurance

- Exclusive Program for over 25 years
- Dedicated Explosives Service Team
- Over 200 Explosives Clients
- In House Claim Specialist



Call us for a complete insurance review 800-980-9484

Billy Bangs ext 51742
bbangs@aga-us.com

Jana Kostantewicz ext 51748
jkostantewicz@aga-us.com



A division of Marsh USA Inc.

SERVICES EXPLOSIVES SOLUTIONS



DYNO[®]
Dyno Nobel

Learn how our **SERVICES, EXPLOSIVES & SOLUTIONS** can improve your operations at DYNONOBEL.COM



2021 NEW MEMBERSHIP APPLICATION OR MEMBER RENEWAL FORM

Name (Please Print)_____ Date_____

Company Name_____

Mailing Address_____

City_____ State_____ Zip_____

Home Phone_____ Work Phone_____

Email Address_____

List Blaster Licenses Held_____ Are you a member of the I.S.E.E.?_____

Please select your membership type:

- ☐ **Individual** - Chapter dues are \$35.00 per year.
- ☐ **Deluxe Corporate Membership** - Dues are \$250.00 for up to 10 members plus a 1/2 page ad in the quarterly newsletter (\$180 value). Please list name, email address and ISEE status for all members.
- ☐ **Corporate Membership** - Dues are \$150.00 for up to 5 members plus a business card ad in the quarterly newsletter (\$60 value). Please list name, email address and ISEE status for all members.

I agree to comply with the Constitution, By-Laws and Regulations of the Chapter.

Signature of Applicant

Payment can be made by credit card or check. Please select your payment option.

- ☐ Credit Card - Visit the Chapter website to pay online (<http://www.easternpaisee.com/membership/>) or contact Ethan Huff to pay over the phone.
- ☐ Check - Please make checks payable to **Eastern PA Chapter I.S.E.E.**

Send to: Ethan Huff
c/o Vibra-Tech Engineers, Inc.
109 East First Street
Hazleton, PA 18201
ethanh@vibratechinc.com



Advertising 2021

Place your Ad!

| | | | |
|-------------------------|----------|--------------------------|----------|
| Full Page (1 Issue) | \$100.00 | Full Page (4 Issues) | \$300.00 |
| 1/2 Page (1 Issue) | \$60.00 | 1/2 Page (4 Issues) | \$180.00 |
| 1/4 Page (1 Issue) | \$35.00 | 1/4 Page (4 Issues) | \$110.00 |
| Business Card (1 Issue) | \$20.00 | Business Card (4 Issues) | \$60.00 |

Name _____ Date _____

Company _____

Address _____

Day Phone _____ Fax _____

Ad Size _____ No. Of Issues _____

Check enclosed in the amount of \$ _____

Payment can be made by credit card or check. Please select your payment option.

☐ Credit Card - Visit the Chapter website to pay online (<http://www.easternpaisee.com/advertise-with-us/>) or contact Ethan Huff to pay over the phone.

☐ Check - Please make checks payable to **Eastern PA Chapter I.S.E.E.**

Send to: Ethan Huff, c/o Vibra-Tech Engineers, Inc.
109 East First Street
Hazleton, PA 18201
ethanh@vibratechinc.com