



Lead Lines



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

Volume 28 Number 4

Fall 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.

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Clay Shoot & BBQ

Thursday, October 28, 2021
11:30am - 5:30pm

FREE for Members or \$35 for Non-Members

2021 Blasters' Training Wednesday, November 10, 2021

8:00am - 5:00pm
(Registration begins at 7:00am)

\$100/person for Eastern PA Chapter Members

\$135/person for non-members (registration includes 2021 Eastern PA Chapter Membership)

Lead Lines



Letter from The President

Dear Members,

We have a busy fall planned for our Chapter Members!

Everyone is getting excited for the 5th Annual Clay Shoot & BBQ on Thursday, October 28, 2021. Last year we had a record number of attendees. I hope to see the same crowd plus new faces this year. You can register as a team of 4 or we will place you on a team. The registration forms can be found on pages 4 & 5.

Together with the Mid-Atlantic Chapters, we are hosting a 2021 Blasters' Training event on Wednesday, November 10th in Altoona, PA. Registration is online. You can check out our great lineup of speakers on pages 8 & 9.

I am excited to see that the ISEE Annual Conference on Explosives and Blasting Technique will resume in January as an in-person conference. Check out page 18 to learn more.

Best regards,

Scott



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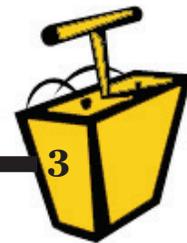
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Eastern Pennsylvania Chapter Clay Shoot & BBQ

On Thursday, October 28th the Eastern Pennsylvania Chapter will host it's fifth annual Clay Shoot and BBQ. Join us at 11:30am for a BBQ lunch followed by a mandatory 12:30pm safety class and 1pm start at the Lehigh Valley Sporting Clays course in Coplay, PA.

The event is FREE for members. Non-members will be charged \$35 for a Chapter Membership. Registration includes a BBQ lunch, 8 station course with 50 rounds, and friendly competition. Ear protection is provided. You are encouraged to bring eye protection or purchase glasses for \$10.00. Prizes will be awarded for the top three shooters as well as Lewis class shooter placements. We will be raffling off a Weatherby Over/Under 12 Gauge 26" with 3" Chamber Shotgun.

If you are interested in registering, please complete the attached form on page 4. We also have station sponsorship opportunities available.

BBQ Sponsor: Austin Powder Co.

Ammo Sponsor: BlueStone, Inc.

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Station Sponsors & Raffle Prize Donations:

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Eastern Pennsylvania Chapter Clay Shoot & BBQ



Thursday, October 28, 2021

FREE for Members

\$35 for Non-Members

11:30am - 5:30pm

Lehigh Valley Sporting Clays

2750 Limestone St., Coplay, PA

Name _____

Company _____

Address _____

Phone _____ Fax _____

Email _____

Deadline to register is Thursday, October 21, 2021

Your registration includes a BBQ lunch, 8 station course with 50 rounds and a golf cart per team of 4. Ear protection is provided. You are encouraged to bring eye protection or purchase glasses for \$10.00.

You can bring your own gun and ammo (7.5-9 lead shot only).

Prizes will be awarded!

The event is FREE for Members.

Non-Members will be charged \$35 for a Chapter Membership.

Non-members - please complete the membership form on page 21 and this registration form to sign-up.

Send to:

Eastern PA Chapter I.S.E.E.

Ethan Huff

c/o Vibra-Tech Engineers, Inc.

109 East First Street, Hazleton, PA 18201

ethanh@vibratechinc.com

Eastern Pennsylvania Chapter Clay Shoot & BBQ



Sponsorship Commitment Form

Clay Shoot Station Sponsor for \$250

Your company logo will appear on station sign

Contact Person _____

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Address _____

Phone _____ Email _____

Please complete this form and email/fax it to Ethan Huff
Email address: ethanh@vibratechinc.com Fax: 570-455-0626

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2021 Blasters' Training Offered

The Eastern Pennsylvania & Mid-Atlantic ISEE Chapters will host a 2021 Blasters' Training on Wednesday, November 10, 2021 at the Blair County Convention Center in Altoona, Pennsylvania. The 1-day training will be held from 8am-5pm, with registration beginning at 7am.

Registration is \$100 per person for Eastern PA Chapter Members or \$135 per person for non-members (registration includes 2021 Eastern PA Chapter Membership). Your registration fee includes the training, boxed lunch and two breaks. Underground and Math breakout sessions will also be available.

This training has been approved by the Pennsylvania DEP to satisfy the 8-hour continuing education credits required for license renewal. Certificates will be emailed to attendees following the training.

Exhibit space is available for \$250 for a 10x10 space. Your 10x10 booth space includes a skirted table and two chairs. Electric can be rented from the Blair County Convention Center.

Registration and payment is available online. To register or reserve your booth space, please visit <https://www.easternpaisee.com/event/2021-blasters-training/>.



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2021 Blasters' Training

Hosted by the
Eastern Pennsylvania and Mid-Atlantic ISEE Chapters



Wednesday, November 10, 2021

Blair County Convention Center

One Convention Center Drive, Altoona, PA

8:00am - 5:00pm
(Registration begins at 7:00am)

\$100/person for Eastern PA Chapter Members

\$135/person for non-members (registration includes 2021 Eastern PA Chapter Membership)

Your registration fee includes the training, boxed lunch and two breaks

Underground and Math breakout sessions will be available

This training has been approved by the Pennsylvania DEP to satisfy the 8-hour continuing education credits required for license renewal.

Certificates will be emailed to attendees following the training.

Exhibit Space is available for \$250

**Vendor registration includes 1 exhibit representative,
a 10'x10' space with a skirted table and two chairs.**

Electric can be purchased.

To register or reserve your booth space, please visit

<https://www.easternpaisee.com/event/2021-blasters-training/>



Blasters' Training Confirmed Speakers

What not to Do When Transporting Explosives (Fatality Investigation)

R. Frank Chiappetta, Blasting Analysis International, Inc.

Crack Displacement and Vibration Measurement at an Underground Portal

Douglas Rudenko, PG, Vibra-Tech Engineers, Inc. and

Jay Elkin, Wampum Hardware Co.

Tools for Optimization

Bob McClure, RAM, Inc.

Underground Tunneling at the Atlanta Airport

Jon McGregor & Tim Banks, Dyno Nobel



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Confirmed Speakers Continued

Using a High Speed Camera to Analyze Blasting Problems

Joe Nawrocki Sr., Dyno Nobel

A Hazards Analysis for Blasting

Lon Santis, Mine Safety and Health Administration (MSHA)

Check out the conference page to see a complete list of confirmed speakers!

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An aerial photograph of a city, likely Los Angeles, 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 impact. The city buildings and streets are visible in the background, and a car is parked on the right side of the crater.

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The Difference Between Safety Helmets and Hard Hats

Written by Nicole Baker, Sales and Customer Training Manager, HexArmor®
Reprinted with Permission from WorldWide Drilling Resource®

Head protection is a big deal on the job, but when given two choices - a safety helmet or a hard hat - what should you reach for?

Hard hats are more commonly known to workers and have been around for over 40 years. Over the past four or five years, the traditional design has transitioned to a safety helmet. This is good news as the safety helmet brings much-needed upgrades - including better protection and fit - to one of the most used PPE (personal protective equipment) pieces on the job.



The concept behind this kind of head protection isn't new; it's been around for years in the sporting world. In fact, the same protection methods used in mountain climbing, biking, and other sports have been worked into the safety helmet design, with some featuring better side impact protection and a more secure and ergonomic fit for the wearer's head.

Continued on page 12

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Hard Hats Continued

These upgrades offer better functionality and comfort for head protection used on the job just like it does for sport-lovers and athletes.

How to select the proper safety helmet. First, remember, the purpose of head protection in any safety program is to mitigate and/or eliminate hazards and exposure to injury while on the job. Being at risk for a head injury is dependent on your work environment and its associated hazards. Oftentimes, workers must wear protection even when there is no apparent sign of danger.

So, when choosing your head protection, take time to understand exactly what you need. Start by referencing OSHA (Occupational Safety and Health Administration) regulations for your industry to understand the type of head protection required. Is work being done at extreme temperatures, around electrical hazards, or at-height? These answers will point you in the right direction. Lastly, ensure the head protection you choose meets the ANSI Z89.1 standard for OSHA compliance.

Continued on page 14



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Hard Hats Continued

Additional factors should also be considered. The suspension system is a critical piece of the safety helmet; does the safety helmet fit properly and feel comfortable? Do you require use of accessories, such as hearing protection, face shields, or respiratory equipment? If so, make sure they are compatible with the safety helmet. Depending on the manufacturer, you can find protective options with new and improved technology to help increase performance and comfort on the job, such as a 6-point suspension system, permanent antifog face shields, and memory foam earmuffs.

Any further questions regarding how to properly select the right safety helmet for you can be answered by a safety helmet manufacturer who is experienced in helping companies find their ideal safety solution.



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COVID-19 And Mining

COVID-19 is a respiratory illness that can spread from person to person. Miners and operators should take steps to prevent illness and spread of COVID-19.

WHAT MINERS SHOULD DO:

- Wash your hands often with soap and water. If soap and water are not available, use a hand sanitizer containing at least 60% alcohol. Avoid touching your face, nose, and eyes.
- Cover coughs and sneezes. Always cover your mouth and nose with a tissue or use the inside of your elbow.

Continued on page 16



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COVID-19 Continued

- To protect others, wear a mask to block respiratory droplets made by coughs, sneezes, talking, or breathing when you aren't wearing your respiratory personal protective equipment (PPE).
- Put distance between yourself and others (stay at least 6 feet away, which is about 2 arm lengths). This includes not crowding personnel carriers, hoists, and elevators, or other means of transportation at a mine to maintain 6 feet of distance between you and others.
- Clean and disinfect frequently touched surfaces and equipment.
- Continue wearing and properly cleaning your personal protective equipment (PPE). Masks should not be worn if the miner is wearing a tight-fitting respirator.

SYMPTOMS

People with COVID-19 have had a wide range of symptoms reported, ranging from mild symptoms to severe illness. Symptoms may appear 2-14 days after exposure to the virus. People with these symptoms may have COVID-19:

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Muscle or body aches
- Headache
- New loss of taste or smell
- Sore throat
- Congestion or runny nose
- Nausea or vomiting
- Diarrhea

This list does not include all COVID-19 symptoms. Please call your healthcare provider for any other symptoms that are severe or concerning to you.

Continued on
page 17

CORONAVIRUS DISEASE 2019 (COVID-19) AND MINING

COVID-19 is a respiratory illness that can spread from person to person. Miners and operators should take steps to prevent illness and spread of COVID-19.



WHAT MINERS SHOULD DO:

- Wash your hands often with soap and water. If soap and water are not available, use a hand sanitizer containing at least 60% alcohol. Avoid touching your face, nose, and eyes.
- Cover coughs and sneezes. Always cover your mouth and nose with a tissue or use the inside of your elbow.
- To protect others, wear a mask (<https://www.cdc.gov/coronavirus/2019-ncov/protect-getting-sick/cloth-face-coverings.html>) to block respiratory droplets made by coughs, sneezes, talking, or breathing when you aren't wearing your respiratory personal protective equipment (PPE).
- Put distance between yourself and others (stay at least 6 feet away, which is about 2 arm lengths). This includes not crowding personnel carriers, hoists, and elevators, or other means of transportation at a mine to maintain 6 feet of distance between you and others.
- Clean and disinfect (<https://www.cdc.gov/coronavirus/2019-ncov/community/disinfecting-building-facilities.html>) frequently touched surfaces and equipment.
- Continue wearing and properly cleaning your personal protective equipment (PPE). Masks should not be worn if the miner is wearing a tight-fitting respirator.

SYMPTOMS

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- Diarrhea

This list does not include all COVID-19 symptoms. Please call your healthcare provider for any other symptoms that are severe or concerning to you.



cdc.gov/coronavirus

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COVID-19 Continued

WHAT TO DO IF YOU HAVE SYMPTOMS

- Call your healthcare provider (doctor, nurse, or clinic) or local health department.
- Stay home, except to get medical care, and avoid close contact with others.
- Separate yourself from other people and pets in your home.
- Monitor your symptoms. Follow the care instructions from your healthcare provider and your local health department.
- Check with your local public health officials and follow state and local guidance for reducing the spread of COVID-19.
- Do not travel unless you absolutely have to.

WHEN TO SEEK MEDICAL ATTENTION

If you develop any of the following emergency warning signs for COVID-19, call 911 and get medical help immediately:

- Trouble breathing
- New confusion
- Inability to wake or stay awake
- Pale, gray, or blue-colored skin, lips, or nail beds, depending on skin tone

Notify the operator that you have, or think you might have, COVID-19.
If possible, put a mask on before medical help arrives.

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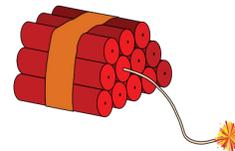
Conference Registration is Open

Registration for the 48th Annual Conference on Explosives & Blasting Technique is open now! Join nearly 1,600 explosives industry professionals January 30 – February . 3, 2022, at the Paris Las Vegas Hotel and Casino in Las Vegas, Nevada for the world's largest conference in the explosives industry.



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2021 NEW MEMBERSHIP APPLICATION OR MEMBER RENEWAL FORM

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Home Phone _____ Work Phone _____

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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.

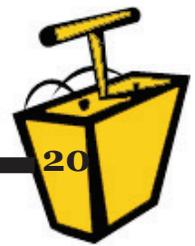
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- Check - Please make checks payable to **Eastern PA Chapter I.S.E.E.**

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

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