



Lead Lines



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

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Winter 2019

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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February Joint Chapter Meeting

Join the Eastern Pennsylvania Chapter and the
Mid- Atlantic Chapter as we meet with the Penn
State University ISEE and SME Student Chapters

Wednesday, February 20, 2019

Penn State University
157 Hosler Building, State College, PA

5:00pm - Registration/Meet and Greet/ Dinner

5:30pm - Guest Speaker

6:15pm - ISEE Guest Speaker

7:00pm - General Meeting

Guest Speaker:

Tom Hairhoger, Austin Powder

Parking is limited so permits will be provided.

Please RSVP to Dan Leach

717.574.4024 or danleach58@gmail.com

The cost is \$30.00 per person.

Please make checks payable to: Eastern PA Chapter ISEE



Letter from The President

Dear Members,

I am very happy to share some of the great things happening in our Chapter. First, I am very proud to announce that our Chapter made a \$20,000 contribution to the SEE Education Foundation. This money will be given to students in Pennsylvania pursuing education in the drilling and blasting industry. A contribution of this amount will also be recognized by the International Society of Explosives Engineers.

The Board of Directors voted to expand our corporate membership opportunities, giving more companies an opportunity to get their employees involved. Plus, a corporate membership allows the company to take advantage of free advertising. Learn more on page 10.

And lastly, thank you to everyone who came out to participate in the 2nd Annual Clay Shoot and BBQ! Despite a very cold day, we had a good turn out and great event. Keep an eye in the newsletter for news about the next Clay Shoot & BBQ.

On a final note, I'd like to thank Jerome Kostantewicz of Maurer & Scott for his leadership on the Chapter's Board of Directors. Jerome has resigned as Board Member, but before he leaves, I just want to extend my thanks for his dedication to the Chapter. Thank you Jerome from me and the entire Chapter!

Best regards,

Scott



Eastern Pennsylvania Chapter Makes \$20,000 Contribution to SEE Education Foundation

The Eastern Pennsylvania Chapter recently made a \$20,000 contribution to the SEE Education Foundation. The SEE Education Foundation provides scholarship funding to students pursuing degrees and programs relating to the explosives industry. The Scholarship Funds have been established by families, individuals, industry supporters, ISEE chapters along with the Explosives Distributors Association and through gifts from authors' book royalties.

Under the SEE Education Foundation are a number of endowments, one of which is the Dale Ramsey Memorial Scholarship Fund. This fund has been established to commemorate the drive and passion Dale Ramsey showed for the Society and for students pursuing degrees in the industry. This fund specifically is awarded to a Pennsylvania student in the drilling and blasting industry.

Dale Ramsey passed away April 15, 2016, leaving behind a tremendous legacy in the industry and in explosives and engineering education. He helped establish ISEE chapters, regional training conferences, served as an ISEE President and, for more than 40 years, was General Manager of Senex Explosives, Inc.

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Eastern Pennsylvania Chapter Clay Shoot & BBQ

On Thursday, December 13th the Eastern Pennsylvania Chapter of the ISEE hosted its second annual Clay Shoot and BBQ. Twenty seven people participated in the event at the Lehigh Valley Sporting Clays course in Coplay, Pennsylvania.

Thanks to our sponsors Austin Powder Co., Blasters Tool & Supply Company, Dyno Nobel, East West Drilling, Epiroc, Ideal Supply Inc., Independent Explosives, Instantel, International Society of Explosives Engineers, J.M Miller, Inc., Kemek, Maurer & Scott, Maxam, NOMIS, ORICA USA, Rocky Rift Consulting, Sandvik, Sauls Seismic, LLC, Stemlock, Texas AGA, Vibra-Tech Engineers, Inc., Wampum Hardware; the event was free for members and non-members paid \$30 for their 2019 membership.

Awards were given out using a modified LEWIS Class System so all shooters had a chance to win. We took the total number of shooters and divided them by the scores to create three classes; First Place Class, Second Place Class and Third Place Class. Jonathan Ferdinand of Vibra-Tech was awarded 1st Place Class (1st overall), Ed Ciocco of Independent Explosives was awarded 2nd Place Class (8th overall), and Danny Ray Leach who is retired was awarded 3rd Place Class (15th overall). The top shooters for the day were Jonathan Ferdinand of Vibra-Tech, Josh Derrick of Reading Anthracite and Brandon Ciocco.



Eastern Pennsylvania Chapter Clay Shoot & BBQ



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Save the Date!

The Nineteenth Pennsylvania Drilling and Blasting Conference

November 14-15, 2019

The Penn Stater Conference Center Hotel
State College, Pennsylvania



Call for abstracts!

The planning committee is currently accepting presentation proposals for the conference.

If you have a proposal for a relevant presentation, particularly a case study, please submit a title and one-page abstract to Rachel Conaway at RLA7@psu.edu by **February 8, 2019**.

You will be notified of the status of your proposed presentation by April 1.

Conference Themes:

The conference is for underground and surface drillers and blasters, engineers, safety personnel, construction professionals, suppliers, and regulatory personnel. Two years ago, 350 practitioners and 58 exhibitors came together to discover new approaches related to the industry, and other professionals associated with drilling, blasting, and explosives. The conference will cover new products and equipment, recent developments in blasting practice, safety, improved fragmentation, vibration control, and changes in regulations.

For more information, please visit the conference website at <http://www.outreach.psu.edu/blasting/>.



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TO: IME Members
RE: ATF Letters of Authorization During Shutdown

IME has received independent confirmation from ATF that the agency has ceased issuing letters of authorization (LOA) to Federal license and permit holders during the Government shutdown. As you know, LOAs are issued before the expiration of a license or permit to serve as documentation that the license or permit remains in good standing while the agency addresses the renewal application and/or conducts the requisite inspection. With ATF's inability to issue LOA's, any license or permit holder that has timely submitted all renewal paperwork meets its responsibilities, however, as you are well-aware, the licensee/permittee will have no required documentation that allows upstream suppliers to distribute materials to them.

The agency had been issuing LOAs until January 15th. ATF is under orders that they may not conduct any work unless it is related to "protection of life and property."

IME is in the process of preparing an advocacy strategy, including Congressional and DOJ outreach. When Congress enacted the Safe Explosives Act of 2002, it put in place provisions that prevented any distribution of explosive materials to any person and receipt by any person who did not have a background check in association with a Federal explosives license or permit. *Congress specifically did not intend for the SEA nor the Organized Crime Control Act of 1970 to impede lawful business.* We will provide more details, including submitted letters, to members as they are developed.

What can you do?

1. Provide us with concrete examples of businesses who are facing imminent license/permit expiration and do not have LOAs.
2. Call your Senators and U.S. Representatives regarding the impact on the explosives industry when certain Federal explosives license and permit holders face business closure due to inability to distribute or receive explosive materials.

Please contact me with any questions that you may have.

Best regards,
Deb

Debra S. Satkowiak, President, IME
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IME
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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 image, near the edge of the crater. The city is densely packed with buildings and trees, and the background shows a hilly landscape.

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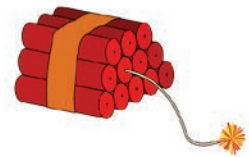
New Corporate Membership Opportunities in 2019

The Eastern Pennsylvania Chapter Board of Directors voted to expand its corporate membership offerings to increase the number of companies taking advantage of the benefits of a corporate membership. Members will have two options for a corporate membership. The general Corporate Membership is \$150 for up to 5 members and includes a business card advertisement in the quarterly newsletter, a \$60 value. The Deluxe Corporate Membership is \$250 for companies with 6-10 employees and includes a 1/2 page advertisement in the quarterly newsletter, a \$180 value.

“We hope to see more companies sign up 5 or more of their employees,” said Douglas Rudenko, Chapter Membership Chair. “In addition to the free advertisement, you and your employees can take advantage of this membership opportunity by participating in the education and networking events held throughout the year.”

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The Eastern Pennsylvania Chapter made a \$1,000 contribution to the St. Jude Children's Research Hospital in memory of Rox Ann May. Rox Ann, who passed away on December 29, 2016, was wife to Randy May, Chapter Founding Member, Past President and ISEE Board Member.



The mission of St. Jude Children's Research Hospital is to advance cures, and means of prevention, for pediatric catastrophic diseases through research and treatment. No child is denied treatment based on race, religion or a family's ability to pay.

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Explosives And Pyrotechnics Market Top Key Players


By Arun Hegde, Global Market Insights, Inc., Posted 11/05/2018

Explosives And Pyrotechnics Market size is set to reach USD 23.28 billion by 2025; according to a latest research report by Global Market Insights, Inc. Global explosives and pyrotechnics market size is primarily driven by escalating growth in the mining industry, particularly in South Africa, the U.S., Russia and Australia.

In 2015, the mining sector generated revenue roughly around USD 400 billion and is estimated to surpass USD 700 billion over the forecast timeframe. Blasting technology has been playing a crucial role in mining operations, including both underground as well as open pit mining. Coal is one of the largest energy source across the globe. Increasing energy demand via population needs will stimulate growth over the forecast timeframe. In addition, strong outdoor crackers demand indicators for sports and personal events such as anniversaries and wedding will complement business growth.

Robust growth in the arms & ammunition industry has played a vital role in contributing the global explosives and pyrotechnics market share. Rising hunting activities in the U.S. and Europe, defense investments and political unrest in the Middle East & Africa are various factors propelling product demand over the forecast timeframe. In 2010, the overall military investment was close to USD 1.5 trillion and is projected to exceed USD 3 trillion by 2025 owing to consequently boost business growth.

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Key Players Continued

Company profiled in this report based on Business overview, Financial data, Product landscape, Strategic outlook & SWOT analysis:

1. Orica
2. Incitec Pivot Limited
3. Sasol
4. Austin Powder Company
5. Enaex
6. MAXAM
7. AECI Limited
8. EPC Group - Ideas Inside
9. Chemring Group PLC
10. TITANOBEL
11. Hanwha Group
12. LSB Industries, Inc.
13. Solar Industries India Limited
14. Zambelli Srl
15. Howard & Sons
16. Angelfire Pyrotechnics Ltd
17. Pyro Company Fireworks
18. Melrose Pyrotechnics
19. Skyburst The Firework Co
20. Entertainment Fireworks, Inc
21. Supreme Fireworks UK
22. Celebration Fireworks
23. Impact Pyro

Continued on page 15



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Key Players Continued

Noise, carbon and dust emissions through mining and fire shows remain a concern for the explosives and pyrotechnics industry. Secondary explosives including RDX, TNT and HMR are extensively manufactured and used in mining, military and construction applications. Immense pressure and noise emitted possess substantial threat to environment, humans and animals. In addition, chemicals, gases and dust formed in the mining pits accompanied with elevated temperatures makes the ambience vulnerable for the workers.

Explosives Market, By End Use

- o Mining
- o Construction
- o Military
- o Others

Pyrotechnics Market, By End Use

- o Entertainment
- o Consumer

Global explosives and pyrotechnics market size shall exceed USD 23.28 billion by 2025, with projected 4% growth over the forecast timeframe.

In 2015, mining explosives and pyrotechnics market share generated revenue more than 6 billion. Growing energy and minerals demand is the prime factor propelling the segment growth. Increasing minerals demand, such as gold and diamond, on account to rising disposable income will boost business growth.

Military is anticipated to experience 3.5% growth from 2016 to 2025. Increasing defense investments in various countries, including the U.S., China, Russia and France to enhance their defense forces will stimulate the global explosives and pyrotechnics market size by 2025.

In 2015, Asia Pacific dominated the explosives and pyrotechnics market share and accounted for approximately 35% of the global revenue. Occurrence of the major industry participants in Australia accompanied with large number of gold & coal reserves in China, were the key aspects for regional growth.

In 2015, the global explosives and pyrotechnics market was competitive. Key industry players are Chemring, Orica Mining Services, ENAEX, AECI Group, Austin Powder Company, Sasol Limited and Incitec Pivot.



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

Signature of Applicant

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