OUTSTANDING STUDENT SECTION AWARD

2023-2024

What do I need to know before filling out the application?

- Submissions must use this template.
- Complete each category by adding content to the gray text entry boxes.
- Content for Sections 1 through 8 are limited to a total of 10 pages. Appendices are limited to 100 pages total.
- Applications must be submitted as **ONE** document to studentservices@assp.org in .pdf format by **April 1, 2024.**
- Visit www.assp.org/ossa for examples of winning OSSA applications from previous years.

Table of Contents

Application Date (No later than April 1, 2024): 03/12/2024 (MM/DD/YY)

Activity Dates: April 1, 2023 – March 31, 2024

Student Section Name: Millersville University

Parent Chapter: Central Pennslyvania Chapter

Faculty Advisor: Dr. Betty-Jo Bowers, Ph.D, MBA, CSP

Number of students pursuing an academic degree in safety or another safety related discipline: 59

Number of Student Section Members: 28

Names and titles of Student Section officers and leaders
(i.e. President, Vice-President, Committee names and Chairs, etc.)

Name	Title
Olivia Rozenberg	President
Naomi DeLuca	Vice President
Sean Harris	Treasurer
Sabrina Zimmerman	Secretary
Saige Shine	Newsletter Editor/Historian

Contact Information

We attest that the information provided in this application is a true representation of the Student Section activities for the period specified.

Olivia Rozenberg
Signature – Student Section President

Signature – Faculty Advisor

Student Section Address:

45 Pucillo Drive

Millersville, PA

17551

Phone Number: 717-871-5482 (Faculty Advisor)

(856)-577-3223 (Student Section President)

Annual Minimum Requirements

*If Student Section fails to include evidence for each annual minimum requirement the application will not be considered by the OSSA evaluation committee.

Check off	Annual Minimum Requirements
✓	Provide evidence of how you communicate within and outside your Student Section such as through newsletters or communication platforms like Facebook, LinkedIn, Twitter, Instagram, etc. Evidence of at least four communication activities is required. Social media postings should include more than just announcements and should instead be an informative educational tool. Students can provide screen shots of social media postings as evidence. Newsletters are also welcome. General emails do not count toward this requirement. These should be included in the Appendices.
✓	Provide at least two examples of collaboration between your Student Section and your parent chapter. Provide evidence. Some examples may include attending parent chapter meetings, planning or participating together in events, etc. Note: Your parent chapter must provide a letter of endorsement confirming this collaboration.
✓	Conduct at least six meetings per year, with four being of technical content. This includes virtual meetings held while away from campus or learning remotely. The definition of "technical" in this context is a process or procedure directly relating to OSH practice (social gatherings, resume building, interviewing skills, recruiting, certification, employment, and other soft skills would not be considered "technical" in this context). Please include a brief one sentence description outlining the content of each meeting. A meeting may only be counted once in the totals.
✓	Attach faculty advisor letter of support or recommendation to the appendices.
✓	Include at least one community or campus activity sponsored or participated in by the Student Section in judging criteria 3.0.

Judging Criteria

ITEMS CAN ONLY BE ENTERED ON THE APPLICATION ONCE. IT IS UP TO YOU TO DECIDE WHERE THE BEST LOCATION IS TO PLACE ITEMS.

1.0 Professional Development and Enhancement - Please include information in the tables below.

1.1 Technical meetings (examples include: risk assessment, ergonomics, site tours, etc.). The definition of "technical" in this context is a process or procedure directly relating to OSH practice (social gatherings, resume building, interviewing skills, recruiting, employment, and other soft skills would not be considered "technical" in this context). There must be a minimum of four meetings in this section. This table must be completed in its entirety for it to qualify for the award.

Meeting Date	Topic	Speaker	Brief one sentence description outlining the content of the meeting	Number of Section Members in Attendance
9/12/23	Nuclear Power and Safety	Scott Weichler, CSP Constellation Energy Site Safety Advisor-Constellation Energy	Scott presented on nuclear power, its hazards, how his company mitigates hazards/risks, and procedures.	15
9/26/23	Oil/Gas and Safety	Matt Burkhart, CSP-Health and Safety Specialist-TC Energy	Matt discussed the importance of gas and oil in our daily lives. He also spoke about the hazards and mitigations in oil/gas.	12
10/17/2023	Fire Safety	Sam Welk-Career Fire fighter	Sam taught the chapter about the components of a fire, types of fire, and extinguishers. He also showed interesting real-world cases as well as how to put out a fire.	12
10/27/2023	Slips, Trips, and Falls Training	Dr. Fred Straub, MS, CSP, ARM	Dr. Straub conducted a two- hour slips, trips, and falls in the workplace training course as part of a Susan Harwood grant. A certificate was provided.	7
10/31/2023	ASSP Foundation Scholarships	Mark Ahner MBA, CPCU, CSP, ARM Service Director Risk Control Services Liberty Mutual. Justin Porter, CSP, Senior Consultant Aon.	Mark and Justin presented on the ASSP Foundation and discussed their internal roles. They also provided information on the ASSP Foundation Scholarship application.	10
11/10/2023	Electrical Safety Training	Dennis Buck, CHCM, CSM, CHST-Consultant-Buck and Associates	Dennis conducted a four-hour training with the students on electrical safety as part of a Susan Harwood grant. A certificate was provided.	20
11/14/2023	Pharmaceutical Safety	Ryan Green, CSP- Manager, Environmental Health, Safety and Security-Marietta Vaccines, GSK	Ryan presented on the standards, procedures, and security that is vital in running a vaccine manufacturer. He also educated the chapter on the importance of safety in manufacturing.	11
11/28/2023	Construction Safety	Randy Spurlock, CHST-Director of Safety-DXI Construction	Randy presented hazards in construction and how his company mitigates them. He also did an interactive activity with the chapter to point out hazards through a series of images.	10
2/6/2024	The Ergonomics of Exoskeletons	Matthias Immendofer, MSC-SUITX	Matthias presented how exoskeletons are changing the world of ergonomics by providing research and statistics for the students. Students were able to try on two different types of exoskeletons as part of his demonstration.	20
3/12/2024	Construction Safety in Cities	Jason Kibler, CSP, CHST-Vice President of Environmental Health and Safety-Davis Construction	Jason discussed construction safety in cities such as Washington, DC. He also spoke about crane operations.	16
3/15/2024	First Aid/AED/CPR Training	Samantha Harsh, CHST, GSP, MS-Health and Safety Consultant-RETTEW	Samantha trained a group of ASSP students on First Aid, AED, and CPR. Students will receive a certification card.	10
3/26/2024	Environmental Health	Mark Bruce, CHMM, CSHM-Bruce Environmental and Response Management	Mark discussed the world of environmental and hazardous consulting with the students. He also discussed becoming a Certified Hazardous Materials Management and its benefits.	15

1.2 Other meetings (examples include: interviewing and networking skills, Student Section planning or social gatherings). Please list all local/national ASSP professional development conferences, including the Professional Development Conference, here.

Meeting Date	Topic	Speaker	Brief one sentence description outlining the content of the meeting	Number of Section Members in Attendance
5/23/2023	Planning for Fall Semester	ASSP Executive Board	Outlined speakers for fall as well as on campus activities.	5
8/23/2023	Planning for fall semester.	ASSP Executive Board	Chose the research topic, finalized finances, and review of schedule.	5
8/27/2023	First ASSP meeting	All chapter members	Reviewed schedule and conducted icebreaker activities to get to know each other. Established a GroupMe for quicker communication.	14
1/23/2024	First Spring ASSP Meeting	All Chapter Members	Reviewed the schedule and did ice breaker activities to welcome our new members. Discussed expectations for the semester.	22
1/26/2024	Bowling	All Chapter Members	Members went to Leisure Lanes in Lancaster, PA to bowl and bond with each other.	5
2/20/2024	Mock Interviews/Resumes	Frank Baxter, CSP, M.S-Director of Loss Prevention-Construction Risk Partners	Frank presented what to wear to interviews, questions to ask during interviews, and went over how a resume should look. Frank also conducted mock interviews with the students.	15
2/22/2024	Dinner at Texas Roadhouse	All Chapter Members	Members went to Texas Roadhouse to bond and have dinner.	7

2.0 Section-Sponsored Research and Applications - please indicate how many Student Section members participated in each project.
*Research conducted as part of class work, an internship or graduate research should not be included in the application. Research work must be student driven and faculty advisor should be used in an advisory role.

1. **Two Millersville University ASSP students presented research in Myrtle Beach South Carolina in the Fall 2023. They received first place for their presentation. They also made a research poster.**

2. **In October, two ASSP students presented research posters at the PA Govenor's Occupational Safety & Health (GOSH) conference. Poster topics were: (1.) Driving Safety and (2.) Construction Exoskeletons.**

3. **The Millersville University ASSP student section completed a research project during the 2023-2024 year. This year's research was titled "Underground Mining Safety in Hazardous Environments: Procedures and Mitigations." The purpose of this research was to understand the underground mining processes, preexisting safety standards and procedures, and explore new technology that could advance the safety of underground mining. This research was meaningful and new for the students who conducted the research as it was a field they were unfamiliar with and learned significantly about. The students were able to explore other agencies such as The Mining Safety and Health Administration as well as The National**

Institute of Safety and Health for research purposes.

Three students participated in the research project for this year. Two students involved in the research visited the NIOSH Mining and Research facility in November of 2023.

This research was presented to the Central Pennsylvania Chapter on March 13th. On April 4th, 2024, the research will be presented at the Central Pennsylvania Safety Conference at Pennsylvania State University. On April 18th, 2024, the research will be presented again to the Lancaster Safety Council.

2.1 Research is defined as the use of a methodological process by which a question of broad or focused interest is answered. The outcomes of the research have merit and applicability among a relatively wide audience. Research involving humans, whether data collection is through biological monitoring or through questionnaires and interviews, requires approval by the school's or another body's institutional review board. See your faculty advisor, ASSP and the *Professional Safety Journal* for guidance.

No biological monitoring was required for this research.

2.2 Applications of established safety and health approaches are defined as determining, monitoring, and controlling workplace hazards that may pose safety and health risks to workers. Reports in the applications subsection should, as appropriate, address details of the process used to find, monitor, or evaluate, and control the hazard or hazards that have been addressed.

Method:

To truly understand the safety procedures associated with mining in hazardous environments, the group conducted a literary review of programs and technologies. This is to understand the standard for MSHA. The group also visited the National Institute of Safety and Health's Mining Research Facility to learn about the new technologies and mitigations being developed.

Literature Review:

Hazards

To really understand mine safety procedures and mitigations, it is important to understand the hazards associated with mining.

First there are mine-cave ins. Being buried alive is a real thing that could happen to miners. In 2010, 33 miners were trapped for over two months 2,300 feet underground. They were eventually rescued. Cave-ins occur when supporting pillars collapse in the mine or hazards that are less predictable occur such as earthquakes or earth tremors.

Next, there are mine explosions. Although these are rare, they have the ability to cause catastrophic damage. Mines house dangerous gasses such as carbon monoxide, hydrogen sulfide, and methane. Because mines are confined spaces, they do not always have an outlet to escape. Methane is one of the most common and is extremely combustible.

Finally, one of the last but most notable hazards for miners is poor air quality. Besides the threat of gasses, the air has many contaminants. In an underground mine, the atmosphere is not only limited but confined. Without proper ventilation, miners are subject to toxic gasses that displace oxygen. Without proper ventilation, asphyxia can occur. (Chart Industries, 2023).

Procedures

Upon further research of tackling mine safety, there has been a pattern of recommended routes of procedures for a mine safety program. Before beginning anything, planning is a key aspect. "Whether in surface or underground projects, it's critical for miners to develop thorough plans before beginning work. Taking time to calculate the best approach can help the process to go more

smoothly and protect the wellbeing of the whole crew." (TMI 2024). Whether it is surveying, consulting, or testing, these should all be done before anyone is sent into a mine. A Job Hazard Analysis should always be completed before the task is started.

When developing programs for mine safety, it is important to ensure that they follow the Occupational Safety and Environmental Health standards as well as the Mine Safety and Health Administration. MSHA provides a series of training materials, regulations, and resources for maintaining safety in mining environments. Training is extremely important in mine safety. Because there are so many occupational hazards associated with it, it is vital that training is in place. According to MSHA, "any person who is "regulatory exposed" to mine hazards, either for an extended period (more than 5 consecutive days or on a frequent (recurring) basis). Miners will go through MSHA training (Part 48 or Part 46 depending on the scope of work), to ensure they understand safety as well as regulations for the mines. MSHA offers a multitude of training resources on their website, but some other regulatory training that miners may go through include confined space, airborne hazard and fall protection. Training is a part of procedures that must occur before starting work.

Compliance is extremely important in the workplace. The regulations and standards set by OSHA and MSHA are put in place with worker safety at the forefront. After reviewing several mine safety programs, PPE, rules, monitoring, regulations, and equipment checklists are all a common theme. Strict adherence to the operating procedures is necessary to ensure safety of the employees.

Continuous Monitoring is the ongoing surveillance and assessment of various factors within a mining operation to identify potential hazards, mitigate risks, and ensure compliance with safety regulations. It can identify real-time hazards and risks which allows for early intervention and preventive measures to be put in place. It also helps mining operations comply with safety regulations and standards. It can help with preparing emergency response plans. This aspect is also extremely important in the procedures of mining safety.

All these components are important to mine safe programs and aid in the mitigation of keeping employees safe.

Trends

To identify what technology is needed, we need to first address the current trends in the mining safety industry.

1. Digital Transformation

The mining industry has been increasingly adopting digital technologies to improve efficiency, productivity, and safety. This includes the use of automation, robotics, Internet of Things (IoT) devices, and advanced analytics to optimize operations, monitor equipment performance, and enhance decision-making processes.

2. Wearable technology

Wearable devices equipped with sensors and communication capabilities are being used to monitor miners' health and safety in real-time. These devices can track vital signs, detect hazardous conditions, and alert workers and supervisors to potential dangers, improving response times to emergencies.

3. Remote Monitoring and Control

Remote monitoring and control systems allow mining companies to oversee operations from a centralized location, reducing the need for workers to be physically present in hazardous environments. Remote-controlled equipment and autonomous vehicles enhance safety by minimizing exposure to risks such as rockfalls, gas leaks, and equipment malfunctions.

4. Data Analytics for Safety Insights

Mining companies are leveraging data analytics to gain insights into safety performance, identify trends, and predict potential safety hazards. By analyzing vast amounts of data from sensors, equipment, and workers, mining companies can proactively address safety risks and continuously improve safety practices.

5. Virtual Reality/Augmented Reality

VR and AR technologies are being employed for safety training and simulation exercises in the mining industry. These immersive technologies allow miners to experience hazardous situations in

a controlled environment, helping them develop skills and practice safety procedures without exposing them to real risks.

These trends reflect the mining industry's commitment to continuously improve safety practices, protect the health and well-being of workers, and create a safe and sustainable work environment. By embracing technological advancements, fostering a safety-focused culture, and collaborating with stakeholders, mining companies can address safety challenges and achieve their goal of zero harm.

3.0 Community Involvement - please indicate how many Student Section members participated in each activity.

Millersville Homecoming Parade:

On October 14th we had 8 ASSP members march in the Millersville Community parade. Members created a float around the theme "Travel the World!" in which we campaigned with the slogan “Fly High with ASSP".

Lancaster Chamber Discovering Paths: STEAM

On November 14th, 2023, two students participated in the Lancaster Chamber STEAM event spreading awareness about the OSEH Program as well as conducting fire extinguisher demonstrations.

3.1 Section-sponsored community activities (Section-sponsored is defined as activities initiated, planned, and executed by the Student Section):

Coat Collection Drive for Lancaster Families: The student ASSP chapter helped to plan and participate in the collection of coats. Three collections points were offered on campus as well as we spent time at the Ware Center in downtown Lancaster collecting coats on December 2nd.

3.2 Section-sponsored campus activities (Section-sponsored is defined as activities initiated, planned, and executed by the Student Section):

Picnic on the Patio
On April 27th, 2023, ASSP along with other clubs of the department hosted our annual Picnic on the Patio event. ASSP donated goods. Six members attended and one participated in the hot dog eating contest.

Slips, Trips, and Falls (STF) Training:

On October 27th, 2023, we had 10 students complete STF training conducted by Dr. Fred Straub. The training was part of an OSHA Susan Harwood grant.

Electrical Safety Training:

On November 10th, 2023, we had 20 students complete Electrical Safety Training conducted by Dennis Buck. The training was part of an OSHA Susan Harwood grant.

First Aid/AED/CPR Training:

On March 15th, 2024, we had 10 students complete First Aid/AED/CPR training conducted by RETTEW.

Companies Day 2024:

Upcoming on April 6th, we plan to have representatives from five different industries to speak with students from all majors in the Applied Engineering, Safety, and Technology department to present information about the safety profession.

3.3 Section participation in community activities:

Lancaster Safety Council (LSC) Meetings

This group meets monthly for a lunch and learn-type meeting at the Conestoga Country Club in Millersville, PA. Dr. Bowers took a total of four ASSP students to two different Lancaster Safety Council meetings. The topics for these meetings were: (1.) September 2023 Suicide Prevention in Construction and (2) October 2023 Fire Safety--Battery Fires. On September 21, 2023, Olivia Rozenberg and Dominick DeLorenzo went to LSC. On October 19, 2023—Josh Zietak and Sophia Farrell went to LSC.

On September 21st, 2023, Olivia Rozenberg and Dominic DeLorenzo came. Olivia discussed her student research on Exoskeletons in Construction for the group and spoke about her experience at Region VI's PDC.
On April 18, 2024 Olivia Rozenberg, Naomi DeLuca, and Brian O'Neill will be presenting to the Lancaster Safety Council their research on Underground Mining.

Olivia discussed her student research on Exoskeletons in Construction for the group and spoke about her experience at Region VI's PDC.

TEEAP Conference

On October 19th, 2023, Four students, Sophia Riad, Amanda Zvorsky, Domnick DeLorenzo, and Sophia Farrell assisted in the lab portion of the TEEAP conference. The topic was Hazard Communication: Fire and Chemical Safety.

Millersville Lion's Club

On February 13th, 2024, 2 students, Olivia Rozenberg and Jordan Branch spoke at a Millersville Lion's club meeting about the
organization and offered to volunteer/help the Lion's club.

On March 19th, 2024, 7 students, Olivia Rozenberg, Naomi DeLuca, Sophia Riad, Wes Erickson, Sophia Farrell, Abby Rodriguez and Sabrina Zimmerman, helped the Millersville Lion's Club stuff eggs for their annual
Easter Egg Hunt.

On April 21st, the student section is planning to help the Millersville Lion's club run their annual Bingo Night. They are anticipating over 200 community members to be in attendance.

3.4 Section participation in campus activities:

Women in Mathematics, Science, and Technology

On April 4th, 2023, 3 students demonstrated fire extinguisher demonstrations for this conference. One student, Alexandra Williams was a tour guide.

Emergency Preparedness Day

On September 26th, 2023, 2 students, Olivia Rozenberg and Naomi DeLuca tabled at the Millersville Emergency Preparedness Day. The students spoke about the ASSP student section and handed out wellness bags as well as candy during this event.

Millersville Wellness Fair

On September 27th, 2023, 4 students, Olivia Rozenberg, Saige Shine, Sean Harris, and Brian O'Neill, tabled at the Millersville Wellness Fair to spread education on the OSEH program and ASSP student section at Millersville as well as recruit new members for ASSP. The student section brought different types of safety equipment and offered candy to students.

37th Annual Brossman Foundation and Ronald E. Frisble Science Lectureship Demonstration

On October 12th, 2023, 5 members, Joshua Zietak, Wes Erickson, Brian O'Neill, Dominick DeLorenzo, and Brandon Shilling, of the student section participated in Brossman Foundation and Ronald E. Frisble Science Lectureship Demonstration demonstrating how to use fire extinguishers.

3.5 Section engagement with and/or support of the ASSP Foundation –
Examples of ways to engage with the ASSP Foundation include:

- Discuss Foundation scholarships at Student Section meetings.
- Engage with the Foundation on LinkedIn or Facebook
- Send a representative to your local ASSP chapter meeting to discuss the Foundation.

*Outstanding Student Sections are not required to engage with the ASSP Foundation. Our aim is to gather information on how student sections interact with and give back to the Foundation.

- On October 31st, 2023, Justin Porter and Mark Ahner spoke to the Millersville student section about the ASSP Foundation. The section learned about the roles, responsibilities, leadership, and mission of the ASSP Foundation. They went over the types of scholarships offered by the Foundation as well as where and how to apply. They answered questions that students had, and if more questions came up, students were able to contact them via
- LinkedIn. Numerous students applied for the ASSP foundation scholarship this year.

4.0 Recognition
Demonstrate how your student section has been recognized (e.g., scholarships, awards, etc.)

NIOSH Scholarship:
Olivia Rozenberg, Ryan Sarge, Sabrina Zimmerman, Brainna Reitnauer, Kerri DeWitt, Brian O'Neill, Jon Heisey, and Dylan Molino.
Phil Rhoads Memorial Scholarship:
Brianna Reitnaur
Mid-Atlantic Safety Council Scholarship:
Olivia Rozenberg
Fall Dean's List 2023:
Olivia Rozenberg, Sean Harris, Garrett Groshong, Saige Shine, Sabrina

Zimmerman, Brian O'Neill, Naomi DeLuca, Wes Erickson, Sophia Riad
ASSP Foundation Scholarship, funded by Lancaster County Industrial Safety Council Scholarship, in honor of Craig Schroll and Jan Getz—*Zachary Rinehart*

1st Place Region IV Student Presentations:
Olivia Rozenberg and Naomi DeLuca.

5.0 Collaboration with Parent Chapter

Describe your collaboration with your Parent Chapter and provide evidence of this collaboration. Examples may include but are not limited to attending Parent Chapter meetings and events, helping with Chapter hosted conferences, etc. A letter of endorsement supporting your collaboration from your Parent Chapter is required and should be included in the Endorsement section.

Meeting Date	Topic	Speaker	Brief one sentence description outlining the content of the meeting	# of Section Members in Attendance
10/18/2023	Algorithms and the Future of Work	Dr. John Howard, Ph.D-Director of NIOSH	Dr. Howard spoke on the future of AI in safety.	30
2/14/2024	The Emergency Planning and Community Right to Know	Justin Shaulis-Planning Coordinator, Cumberland County	Justin touched on the importance of SARA title III and emergency management.	15
3/13/2024	Underground Mining in Hazardous Environments: Procedures and Mitigations	Student Section Members, Olivia Rozenberg, Naomi DeLuca, Brian O'Neill	The students presented their research project on the hazards, procedures, trends, and future technology for underground mining.	18

6.0 Endorsements

(List endorsement letters here but provide endorsement letters in Appendix. Remember to include an endorsement letter from your Parent Chapter.)

Dr. Betty-Jo Bowers, ASSP Student Chapter Advisor
Jeff Hendershot-President of Central Pennsylvania Chapter of ASSP
Mark Ahner, Former Chapter Member, ASSP Foundation Board Member
Frank Baxter, Guest Speaker, Director of Loss Prevention-Construction Risk Partners

7.0 Other Support Documentation

- **Conferences Attended by students of the Millersville ASSP found in Appendix C**
- **Newsletters found in Appendix J**
- **Images from several meetings and events found in Appendix G.**

Student Section Board Meetings:

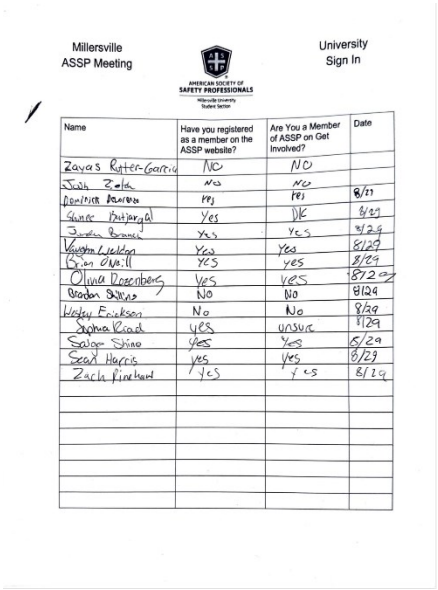
Students that held a position met periodically to discuss possible fundraisers, community involvement, bulletin boards, purchases for the club, research, meeting topics, and other to-do list items.

Millersville University Get Involved:

'Get Involved' is an online platform Millersville University uses to connect organizations. As required by Millersville University, every active club on campus must have an active 'Get Involved' page. The website is used by students to discover opportunities on campus and organizations they can join. 'Get Involved' is also a great way for organizations to showcase their involvement, post dates and times of meetings, organize their roster, and upload photos. Another requirement for all active organizations By Millersville University is to complete online training modules by all board members.

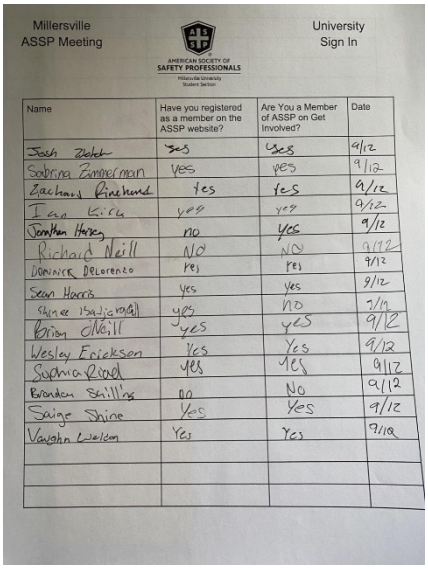
Appendices (100 pages maximum)
Samples or supporting documents should be submitted in addition to the application in electronic format. This supporting documentation must be limited to applicable information concerning activities outlined in the application. Include evidence of how your student section communicates within and outside your student section in this section.

Appendix A-Meeting Attendance



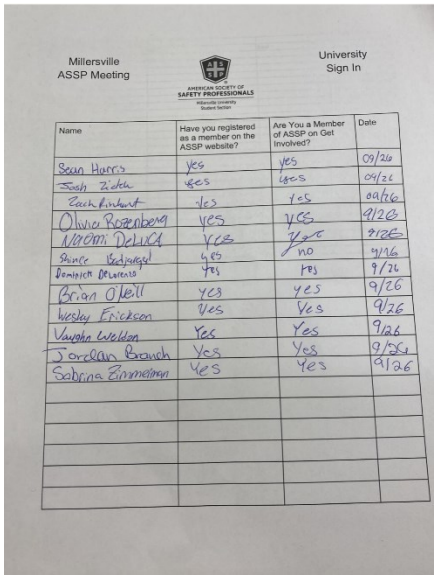
Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Zavars Rutter-Garcia	NO	NO	
Josh Zielke	NO	NO	
Dominick Delorenzo	Yes	Yes	8/29
Shinae Hajjargal	Yes	DK	8/29
Jordan Branch	Yes	Yes	8/29
Vaughn Weldon	Yes	Yes	8/29
Brian O'Neill	Yes	yes	8/29
Olivia Rozenberg	Yes	Yes	8/29
Braden Skillas	NO	NO	8/29
Wesley Erickson	No	No	8/29
Sophia Riad	yes	unsure	8/29
Saige Shine	Yes	Yes	8/29
Sean Harris	Yes	Yes	8/29
Zach Pinehurst	Yes	Yes	8/29



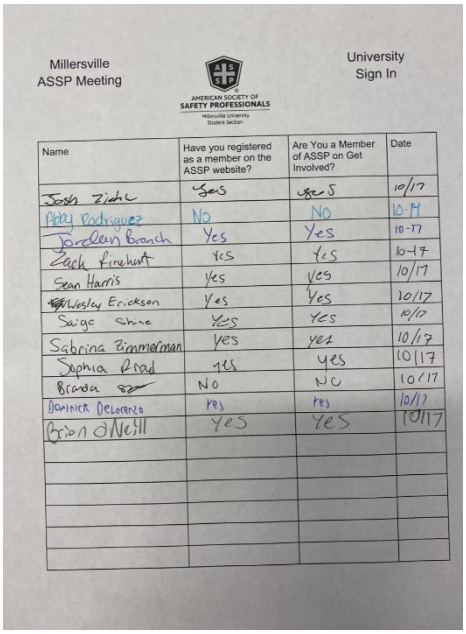
Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Josh Zielke	Yes	Yes	9/12
Sabrina Zimmerman	Yes	yes	9/12
Zachary Pinehurst	Yes	Yes	9/12
Ian Erica	yes	yes	9/12
Jonathan Harvey	no	Yes	9/12
Richard Neill	NO	NO	9/12
Dominick Delorenzo	Yes	Yes	9/12
Sean Harris	Yes	Yes	9/12
Shinae Hajjargal	yes	no	9/12
Brian O'Neill	yes	yes	9/12
Wesley Erickson	Yes	Yes	9/12
Sophia Riad	yes	yes	9/12
Braden Skillas	no	No	9/12
Saige Shine	Yes	Yes	9/12
Vaughn Weldon	Yes	Yes	9/12



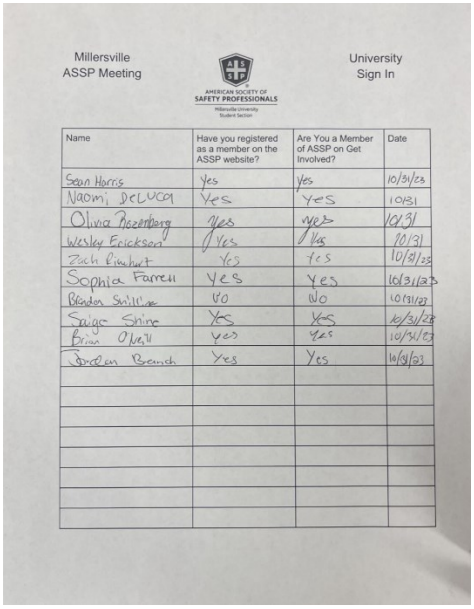
Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Sean Harris	yes	yes	09/26
Josh Zielke	yes	yes	09/26
Zach Pinehurst	yes	yes	09/26
Olivia Rozenberg	yes	yes	9/26
Naomi DeLuca	yes	yes	9/26
Shinae Hajjargal	yes	no	9/26
Dominick Delorenzo	yes	yes	9/26
Brian O'Neill	yes	yes	9/26
Wesley Erickson	yes	yes	9/26
Vaughn Weldon	Yes	Yes	9/26
Jordan Branch	Yes	Yes	9/26
Sabrina Zimmerman	Yes	Yes	9/26



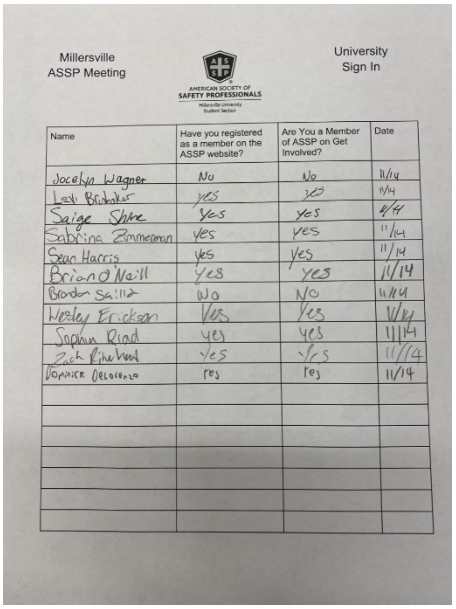
Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Josh Zielke	Yes	Yes	10/17
Abby Rodriguez	NO	NO	10-17
Jordan Branch	Yes	Yes	10-17
Zach Pinehurst	Yes	Yes	10-17
Sean Harris	Yes	yes	10/17
Wesley Erickson	Yes	Yes	10/17
Saige Shine	Yes	Yes	10/17
Sabrina Zimmerman	Yes	yes	10/17
Sophia Riad	Yes	yes	10/17
Braden Skillas	No	No	10/17
Dominick Delorenzo	Yes	Yes	10/17
Brian O'Neill	Yes	Yes	10/17



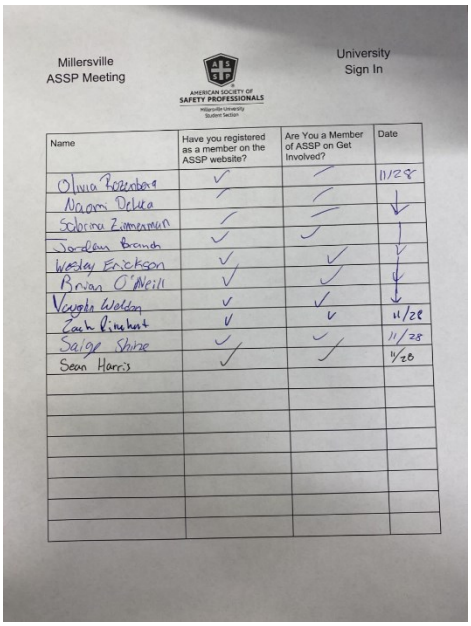
Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Sean Harris	Yes	Yes	10/31/23
Naomi DeLuca	Yes	Yes	10/31
Olivia Rozenberg	Yes	yes	10/31
Wesley Erickson	Yes	Yes	10/31
Zach Pinehurst	Yes	Yes	10/31/23
Sophia Farrell	Yes	Yes	10/31/23
Braden Skillas	No	No	10/31/23
Saige Shine	Yes	Yes	10/31/23
Brian O'Neill	yes	yes	10/31/23
Jordan Branch	Yes	Yes	10/31/23



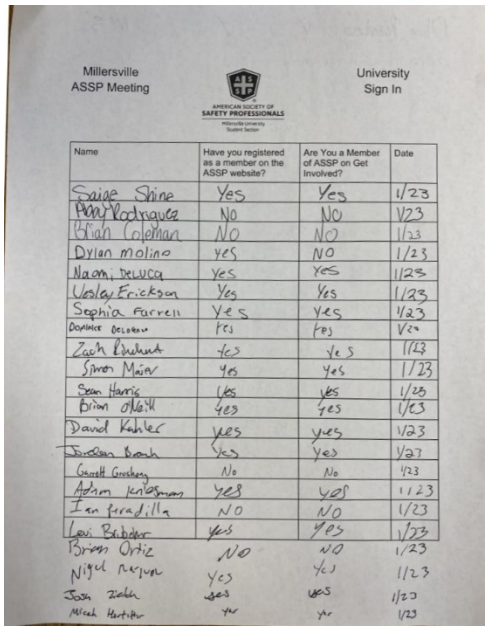
Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Jocelyn Wagner	No	No	11/14
Leah Brubaker	yes	yes	11/14
Saige Shine	Yes	yes	11/14
Sabrina Zimmerman	yes	yes	11/14
Sean Harris	yes	yes	11/14
Brian O'Neill	yes	yes	11/14
Braden Skillas	No	No	11/14
Wesley Erickson	Yes	Yes	11/14
Sophia Riad	yes	yes	11/14
Zach Pinehurst	Yes	Yes	11/14
Dominick Delorenzo	Yes	Yes	11/14



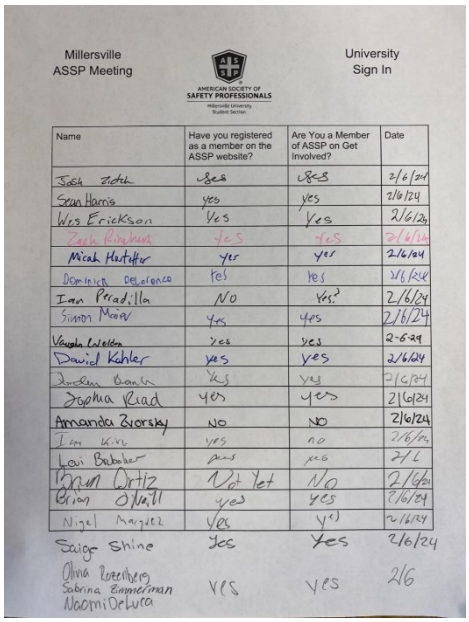
Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Olivia Rozenberg	✓	✓	11/28
Naomi DeLuca	✓	✓	↓
Sabrina Zimmerman	✓	✓	↓
Jordan Branch	✓	✓	↓
Wesley Erickson	✓	✓	↓
Brian O'Neill	✓	✓	↓
Vaughn Weldon	✓	✓	↓
Zach Pinkard	✓	✓	11/28
Saige Shine	✓	✓	11/28
Sean Harris	✓	✓	11/28



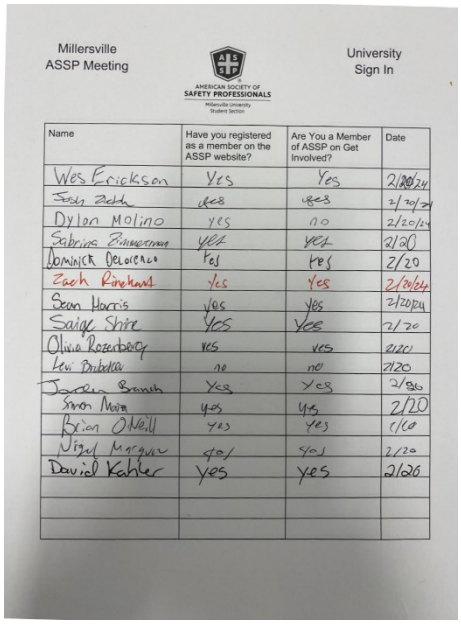
Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Saige Shine	Yes	Yes	1/23
Ana Rodriguez	No	No	1/23
Brian Coleman	No	No	1/23
Dylan Molino	yes	No	1/23
Naomi DeLuca	Yes	Yes	1/23
Wesley Erickson	Yes	Yes	1/23
Sophia Farrell	Yes	Yes	1/23
Dominick Delorenzo	Yes	Yes	1/23
Zach Pinkard	Yes	Yes	1/23
Simon Meier	Yes	Yes	1/23
Sean Harris	Yes	Yes	1/23
Brian O'Neill	Yes	Yes	1/23
David Kahler	Yes	Yes	1/23
Jordan Branch	Yes	Yes	1/23
Garrett Ginsberg	No	No	1/23
Adam Kristopaitis	Yes	Yes	1/23
Ian Pradilla	No	No	1/23
Levi Brubaker	Yes	Yes	1/23
Brian Ortiz	No	No	1/23
Nigel Morgan	Yes	Yes	1/23
Josh Zidek	Yes	Yes	1/23
Micah Hostetter	Yes	Yes	1/23



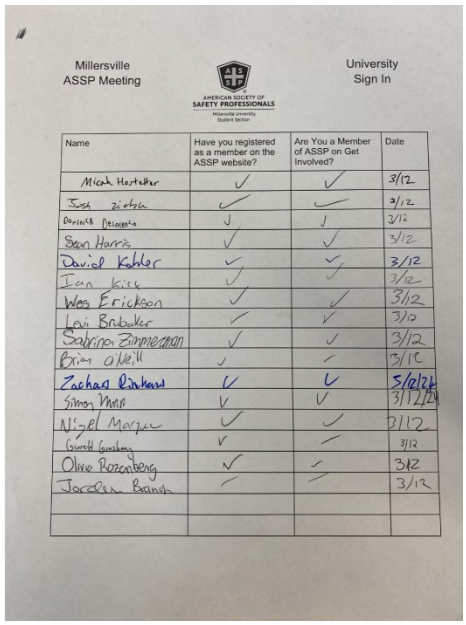
Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Josh Zidek	Yes	Yes	2/6/24
Sean Harris	yes	yes	2/6/24
Wes Erickson	Yes	Yes	2/6/24
Zach Pinkard	yes	yes	2/6/24
Micah Hostetter	yes	yes	2/6/24
Dominick Delorenzo	Yes	Yes	2/6/24
Ian Pradilla	No	Yes?	2/6/24
Simon Meier	Yes	Yes	2/6/24
Vaughn Weldon	Yes	Yes	2-6-24
David Kahler	Yes	Yes	2/6/24
Jordan Branch	Yes	Yes	2/6/24
Sophia Read	Yes	Yes	2/6/24
Amanda Zborsky	No	No	2/6/24
Ian Kirk	Yes	no	2/6/24
Levi Brubaker	yes	yes	2/6
Brian Ortiz	Not Yet	No	2/6/24
Brian O'Neill	yes	yes	2/6/24
Nigel Marquez	Yes	Yes	2/6/24
Saige Shine	Yes	Yes	2/6/24
Olivia Rozenberg, Sabrina Zimmerman, NaomiDeLuca	Yes	Yes	2/6



Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Wes Erickson	Yes	Yes	2/20/24
Josh Zidek	yes	yes	2/20/24
Dylan Molino	yes	no	2/20/24
Sabrina Zimmerman	yes	yes	2/20
Dominick Delorenzo	Yes	Yes	2/20
Zach Pinkard	Yes	Yes	2/20/24
Sean Harris	Yes	Yes	2/20/24
Saige Shine	Yes	Yes	2/20
Olivia Rozenberg	Yes	Yes	2/20
Levi Brubaker	no	no	2/20
Jordan Branch	Yes	Yes	2/20
Simon Meier	Yes	Yes	2/20
Brian O'Neill	Yes	Yes	2/20
Nigel Morgan	Yes	Yes	2/20
David Kahler	Yes	Yes	2/20

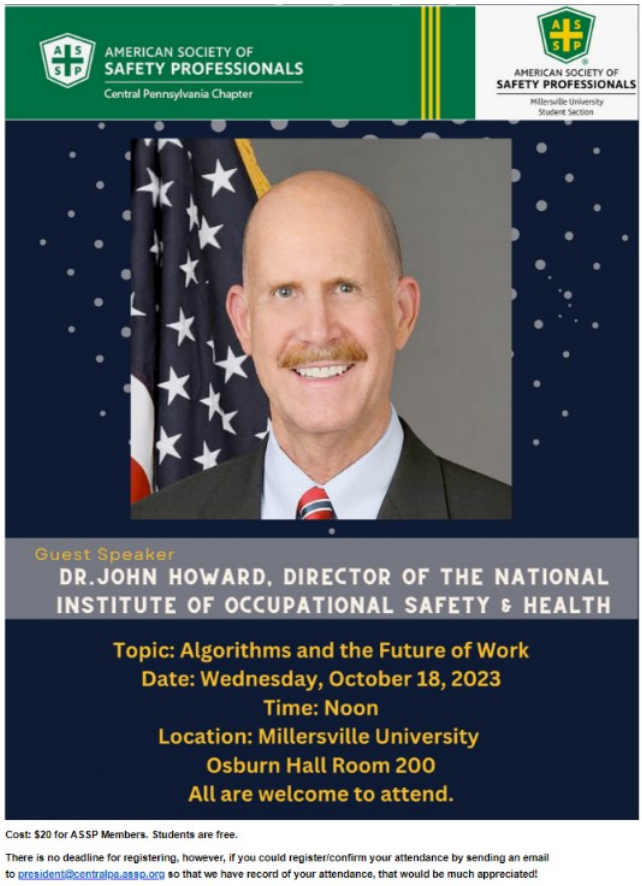


Millersville ASSP Meeting — University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Micah Hostetter	✓	✓	3/12
Josh Zidek	✓	✓	3/12
Dominick Delorenzo	✓	✓	3/12
Sean Harris	✓	✓	3/12
David Kahler	✓	✓	3/12
Ian Kirk	✓	✓	3/12
Wes Erickson	✓	✓	3/12
Levi Brubaker	✓	✓	3/12
Sabrina Zimmerman	✓	✓	3/12
Brian O'Neill	✓	✓	3/12
Zachary Pinkard	✓	✓	3/12/24
Simon Meier	✓	✓	3/12/24
Nigel Morgan	✓	✓	3/12
Garrett Ginsberg	✓	✓	3/12
Olivia Rozenberg	✓	✓	3/12
Jordan Branch	✓	✓	3/12

Appendix B-Parent Chapter Meetings

Parent Chapter Meeting 10/18/2023



Parent Chapter Meeting 2/14/2024

ASSP Central Pennsylvania Chapter Meeting

When: **Wednesday, February 14, 2024 | 11:30am - 1 pm**

What: February American Society of Safety Professionals (ASSP) Central PA chapter February lunch meeting (joint-meeting with the Millersville University student chapter)

Where: Millersville University, Osburn Hall, Room 200

40 East Fredrick St., Millersville, PA 17551

https://maps.app.goo.gl/kdR43EeqXUbxQuPi7

Parking: You MUST register for a free parking pass at https://www.millersville.edu/art/parking/mu-visitor-parking.php

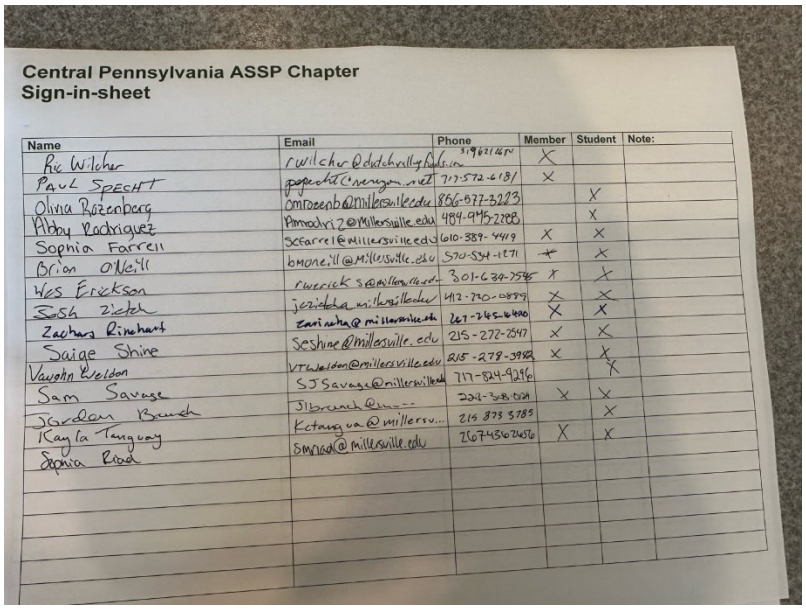
Cost: Free for students, $20 for members (note- please let us know if cost is a problem. Do not let that deter you from coming!)

Topic: SARA Title III Sections 311/312/313 "The Emergency Planning and Community Right to Know". We will also review the Pennsylvania version of LEPC (Local Emergency Planning Committee) and the County Hazardous Materials Teams

Speaker: Justin A. Shaulis,

- Cumberland County Emergency Management Planning Coordinator - 9 years
- Cumberland County Hazardous Materials Response Team Member/Research and Data Officer- 8 years
- Hazardous Materials Technician ProBoard
- Hazardous Materials Incident Commander ProBoard
- Fire /EMS Responder - 30+ years
- Fire Department Incident Safety Officer ProBoard

Agenda


Central Pennsylvania ASSP Chapter
Sign-in-sheet

Name	Email	Phone	Member	Student	Note:
Ric Wilcher	rwilcher@dutchvalley...	3196214N	X		
Paul Specht	ppspecht@verizon.net	717-572-6181	X		
Olivia Rozenberg	OMRozenb@millersville.edu	856-977-3223		X	
Abby Rodriguez	Pmadri2@Millersville.edu	484-995-2288		X	
Sophia Farrell	Scfarrel@millersville.edu	610-389-4419	X	X	
Brian O'Neill	bmoneill@Millersville.edu	570-534-1271	~~X~~	X	
Wes Erickson	riverrick s@millersville.edu	301-639-7585	X	X	
Josh Zietek	jezietek@millersville.edu	412-720-0889	X	X	
Zachary Rinehart	zarinehart@millersville.edu	267-265-6490	X	X	
Saige Shine	Sashine@millersville.edu	215-272-2547	X	X	
Vaughn Weldon	VTWeldon@millersville.edu	215-278-3982	X	X	X
Sam Savage	SJSavage@millersville.edu	717-824-9296			
Jordan Branch	JIbranch@...	224-348-0124	X	X	
Kayla Tanguay	Ktanguay@millersv...	215 873 3789		X	
Sophia Rood	Smrood@millersville.edu	2674367456	X	X	

Parent Chapter Meeting 3/13/2024

AMERICAN SOCIETY OF SAFETY PROFESSIONALS
Central Pennsylvania Chapter

ASSP Central Pennsylvania Chapter Meeting

When: **Wednesday, March 13, 2024 | 11:30am - 1 pm**

What: February American Society of Safety Professionals (ASSP) Central PA chapter February lunch meeting (joint-meeting with the Millersville University student chapter)

Where: Millersville University, Osburn Hall, Room 200

40 East Fredrick St., Millersville, PA 17551

https://maps.app.goo.gl/kdR43EeqXUbxQuPi7

Parking: You MUST register for a free parking pass at https://www.millersville.edu/art/parking/mu-visitor-parking.php

Cost: Free for students, $20 for members (note- please let us know if cost is a problem. Do not let that deter you from coming!)

Topic: Mining is an old trade. It has been around for centuries to obtain resources necessary to build and sustain nations. Mining is extremely vital to the wellbeing of a nation. without it, who knows where we would be. Although mining has been used for centuries, there are hazards that can make the job extremely dangerous such as fires, ground collapses, mine gas emissions, combustion, subsidence, and more. The purpose of this research is to study the hazards associated with mining, as well as safety mitigations put in place to reduce injuries and harm. The group conducted a site visit as well as a literature review to understand mining safety.

Speakers:

Our student presenters are Olivia Rozenberg, President of the Millersville Chapter of ASSP, Naomi DeLuca, Vice President, and Brian O'Neill, student member.

Olivia is a junior Occupational Safety and Environmental Health major with minors in Applied Engineering and Emergency Management. She currently interns at Warfel Construction as a safety intern.

Naomi DeLuca is a junior Emergency Management major with a minor in Occupational Safety and Environmental Health.

Brian O'Neill is a Occupational Safety and Environmental Health major with a minor

Millersville ASSP Meeting x Central PA

University Sign In

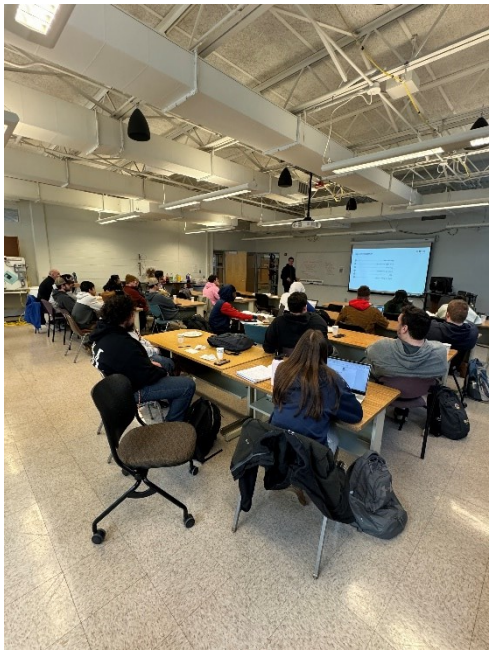
Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Olivia Rozenberg	Yes	Yes	3/13
Naomi DeLuca	Yes	Yes	↓
Nick Oakes			3/13
[illegible]	Yes	? no	"
[illegible]	Not Yet	Not Yet	3/13
Wes Erickson	Yes	Yes	3/13
[illegible]	Yes	Yes	3/13
Zach Pinchott	Yes	Yes	3/13/24

Millersville ASSP Meeting x Central PA

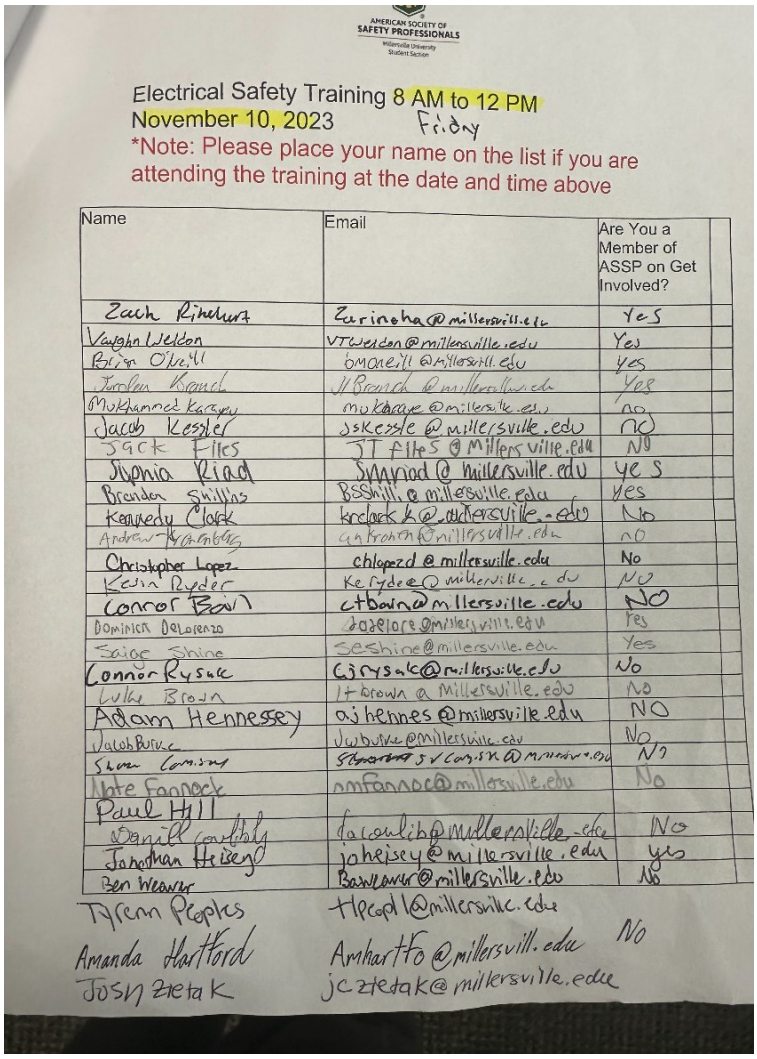
University Sign In

Name	Have you registered as a member on the ASSP website?	Are You a Member of ASSP on Get Involved?	Date
Betty Jo Bowers			
Dillon McKenna			3/13
Brian O'Neill	✓	✓	3/13
Shaw Dandy	✓	✓	3/13
Kaden Wood			3/13
Paul Specht	✓		3/13
Bill Shirley	✓		3/13
Sarah Schmidt	✓		3/13
Paul Allen			3/13
Sammie J Savage			3-13
Jordan Brown	✓	✓	3-13

Appendix C-Student Section Meeting Pictures



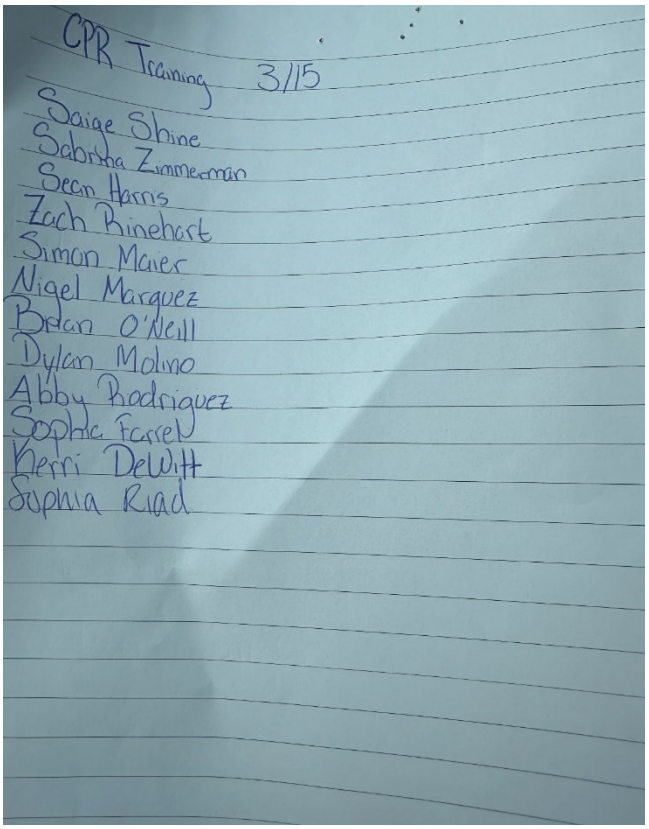
Appendix D-Training Sign-Ups



AMERICAN SOCIETY OF SAFETY PROFESSIONALS
Millersville University Student Section

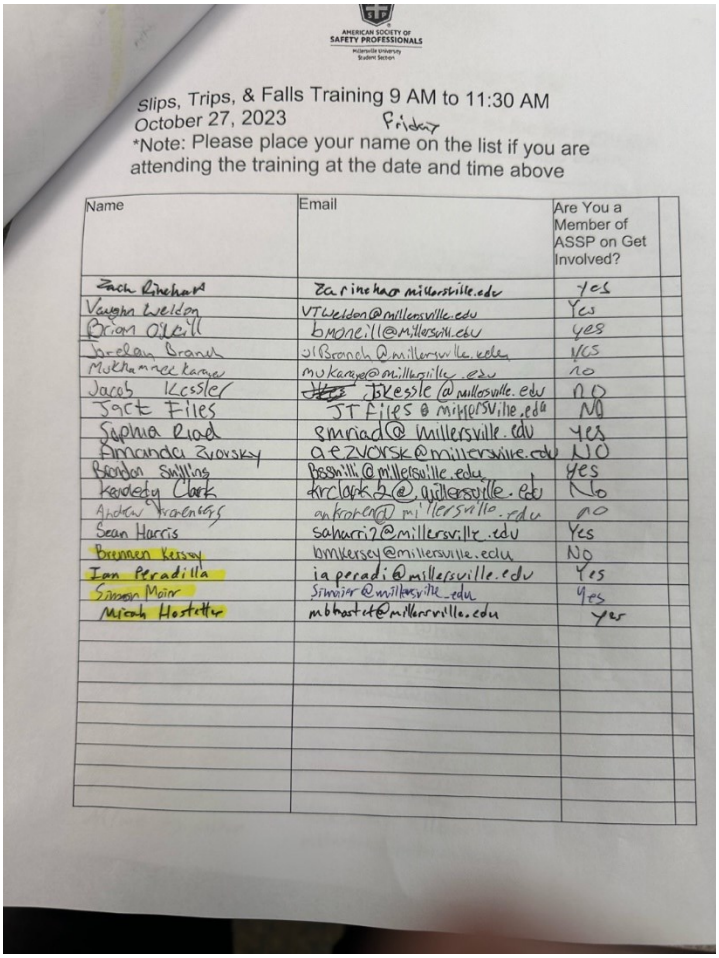
Electrical Safety Training 8 AM to 12 PM
November 10, 2023 Friday
*Note: Please place your name on the list if you are attending the training at the date and time above

Name	Email	Are You a Member of ASSP on Get Involved?
Zach Rinehart	Zarineha@millersville.edu	Yes
Vaughn Weldon	VTweldon@millersville.edu	Yes
Brian O'Neill	bmoneill@millersville.edu	yes
Jordan Branch	JlBranch@millersville.edu	Yes
Mukhammed Karayev	mukarayev@millersville.edu	no
Jacob Kessler	JSkessle@millersville.edu	NO
Jack Files	JTfiles@Millersville.edu	NO
Sophia Riad	SMriad@millersville.edu	yes
Brendan Swilling	BSswill@millersville.edu	yes
Kennedy Clark	krclark2@millersville.edu	No
Andrew Krakenberg	ankraken@millersville.edu	no
Christopher Lopez	chlopez2@millersville.edu	No
Kevin Ryder	Keryder@millersville.edu	NO
Connor Bain	ctbain@millersville.edu	NO
Dominick DeLorenzo	ddelore8@millersville.edu	Yes
Saige Shine	Sashine@millersville.edu	Yes
Connor Rysak	CJRysak@millersville.edu	No
Luke Brown	LTbrown@Millersville.edu	No
Adam Hennessey	ajhennes@millersville.edu	NO
Jacob Burke	Jwburke@millersville.edu	No
Steven Cummings	Scummi3@millersville.edu	NO
Nate Fannack	nmfannac@millersville.edu	No
Paul Hill		
Daniel Carlisle	dacarlis@millersville.edu	NO
Jonathan Heisey	joheisey@millersville.edu	yes
Ben Weaver	Baweaver@millersville.edu	NO
Tyrean Peoples	tlpeopl@millersville.edu	
Amanda Hartford	Amhartfo@millersville.edu	No
Josh Zietak	jczietak@millersville.edu	



CPR Training 3/15

Saige Shine
Sabrina Zimmerman
Sean Harris
Zach Rinehart
Simon Maier
Nigel Marquez
Brian O'Neill
Dylan Molino
Abby Rodriguez
Sophie Fassel
Kerri DeWitt
Sophia Riad



AMERICAN SOCIETY OF SAFETY PROFESSIONALS
Millersville University Student Section

Slips, Trips, & Falls Training 9 AM to 11:30 AM
October 27, 2023 Friday
*Note: Please place your name on the list if you are attending the training at the date and time above

Name	Email	Are You a Member of ASSP on Get Involved?
Zach Rinehart	Zarineha@millersville.edu	yes
Vaughn Weldon	VTweldon@millersville.edu	Yes
Brian O'Neill	bmoneill@millersville.edu	yes
Jordan Branch	JlBranch@millersville.edu	yes
Mukhammed Karayev	mukarayev@millersville.edu	no
Jacob Kessler	JSkessle@millersville.edu	NO
Jack Files	JTfiles@millersville.edu	NO
Sophia Riad	SMriad@millersville.edu	yes
Amanda Zvorsky	aezvorsk@millersville.edu	NO
Brendan Swilling	BSswill@millersville.edu	yes
Kennedy Clark	krclark2@millersville.edu	No
Andrew Krakenberg	ankraken@millersville.edu	no
Sean Harris	saharris2@millersville.edu	Yes
Brennen Kersey	bmkersey@millersville.edu	No
Ian Peradilla	iaperadi@millersville.edu	Yes
Simon Maier	Simaier@millersville.edu	Yes
Micah Hostetter	mbhostet@millersville.edu	yes

Appendix E- Student Section Research

MILLERSVILLE

Are Construction Exoskeletons the Future of Construction Safety and Health?

Presented by (1) Olivia Rozenberg and (2) Naomi DeLuca

Abstract

Construction workers are at the highest risk of developing Musculoskeletal disorders. What if there is new technology that can reduce that or fully eliminate it? These injuries often are associated with heavy work such as lifting, load holding and carrying which places daily repetitive strain on multiple regions of the body. One way of addressing injury risk due to muscle fatigue is by use of assistive devices such as exoskeletons. According to the Occupational Safety and Health Administration overexertion claims are estimated to be between $40,000 and $80,000 per employer per year. This accounts for medical costs such as medical bills, rehabilitation and even settlement costs. Living with a musculoskeletal disorder is not a suitable or sustainable lifestyle and can end careers. We want construction workers to stay in their careers as long as possible not only because it's their livelihood, but because of the current labor shortage. We need these workers; they carry our economy on their backs. Implementing ergonomics into a construction setting could reduce the risk of developing these conditions and let them continue their careers pain-free. Exoskeletons are being developed to reduce overexertion in various areas of the body for construction workers. These could be the future of construction safety and health. While they are making advances in the medical industry, they are quickly making advances in the construction realm. With the development of these construction exoskeletons, they are focusing on different scopes of work such as overhead work, lifting/lowering, vibration reduction, etc. These focuses are some of the biggest issues that cause WMSDs in the workplace. With the reduction of these risks and advancement in technology, exoskeletons very well could be the future of the construction industry.

Research Methodology

We conducted literature searches on insurance costs, ergonomics, and exoskeletons. The literature review was done using search engines including, google scholar. In addition to conducting literature reviews, we conducted a series of interviews with 30 subject potential end users in construction trades to obtain feedback on the potential application of exoskeletons in construction applications.

Research Questions

This research aimed to answer two specific questions:

1). How effective would exoskeletons be if implemented into work life?

2). Would field staff wear be receptive to implementing into their workflow?

Participants

The interview participants consisted of field staff from a general contracting company local to the university. Their scope of work consists of concrete forming, carpentry, heavy lifting for extended periods of time, and pushing/pulling.

Industry Feedback/Comments

Typical amount of staff on-site: 4-6 laborers

Examples of jobs done by the employees affected:
Their scope of work consists of concrete forming, carpentry, heavy lifting for extended periods of time, and pushing/pulling.

Factors that may have contributed to these injuries:

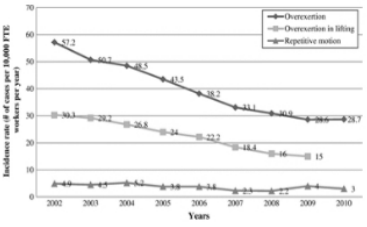
- Improper Lifting Techniques
- Not being "strong enough"
- Age
- Not paying attention

Ways that the company tried to fix the issue to prevent the injury from occurring again?

- More training to reduce back injuries
- Investing in dollies and door jacks
- Eliminate task completely
- Schedule Breaks

Background Statistics on Back Injuries

- According to *SafeWork Insider*, repetitive lifting, pulling/tugging of materials, tool and equipment vibration, and heavy lifting are some of the most common ways for a construction worker to get injured.
- 65% of injuries are back injuries, with more than a million workers affected a year
- Overexertion is 30% of claims.
- Overexertion can cause tearing or stretching of the muscles, tendons, and ligaments.
- Claims have an average cost between $40,000 and $80,000 and can result in 30 days of lost time per claim.
- According to the Bureau of Labor Statistics, back-related injuries account for 1 of 5 injuries at work.
- Low Back pain is one of the leading causes of worldwide disability.



U.S Bureau of Labor Statistics

Discussion of Results

The field participants are relatively receptive to trying out exoskeletons. After explaining the benefits of exoskeletons and the reduction of risk associated with them, it was a ratio of 70% to 30% the latter being of interviewees not receptive to being apart of the study group. With construction there is a mindset that assistive devices will either make your life harder or it means you cannot handle the job. The other 70% of the group, after explaining the statistics about how the exoskeletons can reduce back pain and keep the laborers in their careers longer, they were more inclined to trying exoskeletons out.

Commonly asked questions by the participants:

- "Is it restrictive?"
- "Will it get in the way of work?"
- "Do I have to wear it all day?"
- "How long does it take to put on and take off?"
- "Is it heavy?"

Types of Construction Exoskeletons

Solution: Herowear Apex 2

The Herowear Apex 2 was chosen based on the scope of work. Due to most of the work involving the lower back, it's important to choose an exoskeleton that's purpose is meant for their scope of work. It's affordable for the size of the company that the employees were interviewed from. It fits the scope of work, as well as being lightweight. Research shows that it can reduce muscle back activity from 14% to 43%, as well as a 73% in lower back discomfort. The Apex has demonstrated that it reduces overexertion injury risk factors by redistributing the strain that would occur on the lower back to the large rubber bands that are on the back of the harness. This particular exoskeleton answers all of the questions asked by the field staff. It is not restrictive and easily adjustable. It weighs only three pounds and is quick to take on and off.

Limitations

The biggest limitation was collecting the data. All of the laborers are on different job sites, so it took about a week to collect the data. After that, it was time to standardize the data and soon enough there was a pattern.

Conclusions

Overexertion is one of the most harmful injuries that can happen to someone in the workforce, it can end careers and cost thousands of dollars. Construction Exoskeletons could very well be the future of construction safety and health as it is the building stones between ergonomics and construction.

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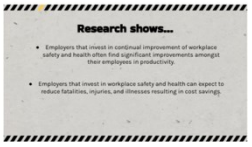
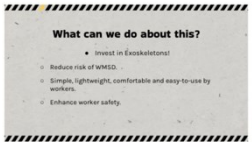
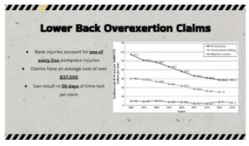


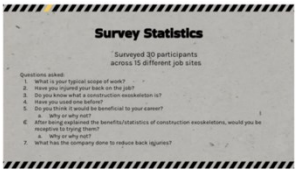




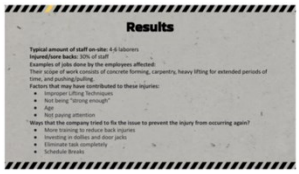

ARM AND SHOULDER SUPPORT
USEFUL FOR
Overhead activities and lifting
BENEFITS
Redistributes weight from shoulders and arms to lessen strain
Springs in arms to provide assistance
Lightweight
Lift against gravity
Brands: Hilti-EXO and Ekke's EVO
Costs: Hilti- $1,399
Ekso EVO- $7,000

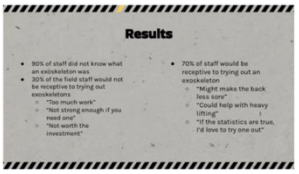

HILTI


03
The Survey


Survey Statistics
Surveyed 20 participants across 15 different job sites
Questions asked:
1. What is your typical scope of work?
2. Have you injured your back on the job?
3. Do you know what a construction exoskeleton is?
4. Have you used one before?
5. Do you think it would be beneficial to your career?
a. Why or why not?
6. After being explained the benefits/statistics of construction exoskeletons, would you be receptive to trying them?
a. Why or why not?
7. What has the company done to reduce back injuries?

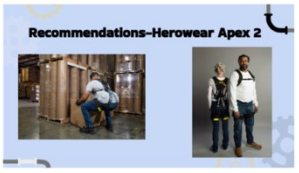

STANDING AND CROUCHING SUPPORT
USEFUL FOR
Tasks that require prolonged standing like drilling
BENEFITS
Redistributes weight from legs and knees and locks in place to provide support
Minimizes stress on joints and muscles
Recognize when user is walking, crouching, or standing
Brands: Noonee, suitX
Cost: Noonee- $2,312
SuitX- $5,000


Results
Typical amount of staff on-site: 4-6 laborers
Injured/sore backs: 30% of staff
Examples of jobs done by the employees affected:
Their scope of work consists of concrete forming, carpentry, heavy lifting for extended periods of time, and pushing/pulling.
Factors that may have contributed to these injuries:
Improper Lifting Techniques
Not being "strong enough"
Age
Not paying attention
Ways that the company tried to fix the issue to prevent the injury from occurring again?
More training to reduce back injuries
Investing in dollies and door jacks
Eliminate task completely
Schedule Breaks

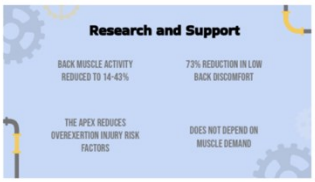

Results
90% of staff did not know what an exoskeleton was
30% of the field staff would not be receptive to trying out exoskeletons
"Too much work"
"Not strong enough if you need one"
"Not worth the investment"
70% of staff would be receptive to trying out an exoskeleton
"Might make the back less sore"
"Could help with heavy lifting"
"If the statistics are true, I'd love to try one out"

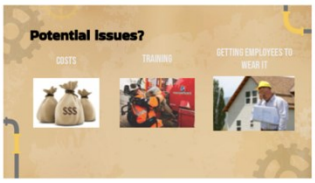

BACK SUPPORT
USEFUL FOR
Stooping, lifting or reaching
BENEFITS
Corrects posture and reduces back pressure
Brands: suitX, Herowear
Does not hinder natural movement
Cost: SuitX- $4,000
Herowear- $1,299

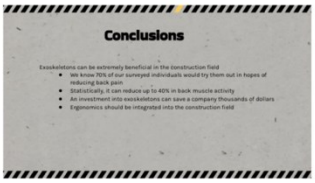

04
Researched based recommendations


Recommendations-Herowear Apex 2

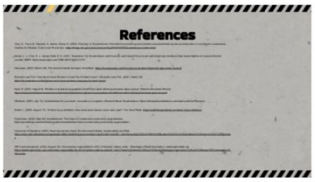

Recommendations-Herowear Apex 2
PROS
Affordable-$1,300
Fits scope of Work
Lightweight
Less fatigue/soreness
MARK HARRIS, CEO OF HEROWEAR


Research and Support
BACK MUSCLE ACTIVITY REDUCED TO 14-43%
73% REDUCTION IN LOW BACK DISCOMFORT
THE APEX REDUCES OVEREXERTION INJURY RISK FACTORS
DOES NOT DEPEND ON MUSCLE DEMAND


Potential Issues?
COSTS
TRAINING
GETTING EMPLOYEES TO WEAR IT
$$$


Conclusions
Exoskeletons can be extremely beneficial in the construction field
We know 70% of our surveyed individuals would try them out in hopes of reducing back pain
Statistically, it can reduce up to 40% in back muscle activity
An investment into exoskeletons can save a company thousands of dollars
Ergonomics should be integrated into the construction field


Questions?


References

Mining Safety in Hazardous Environments: Procedures and Mitigations

Presented by Olivia Rozenberg, Naomi DeLuca, Brian O'Neill
Occupational Safety and Environmental Health Program

Abstract

Mining is the foundation of many industries. It is vital in completing processes such as manufacturing goods, infrastructure, and energy. According to the National Institute for Occupational Safety and Health (NIOSH), there were nearly 3,500 mining-related injuries in 2022. It can be a dangerous occupation which means there must be thorough regulations. The Mine Act, formally known as the Federal Mine Safety and Health Act (MSHA) of 1977, was enacted on November 9, 1977. It was implemented in response to a series of mining disasters and the need for increased regulation to ensure the safety and health of miners in the United States. This act significantly improved safety conditions in mines across the country. Some key provisions included in the act were regular inspections, detailed emergency response plans, and limiting of exposure levels. The hazards associated with mining are diverse and can vary on the type of mining or specific conditions of a mine. Some of these hazards are structural collapses, explosions in operations using flammable gases, and repository issues such as silicosis or black lung caused by exposure to silica or coal dust. The Mine Act was a crucial step towards improving safety and health standards in the mining industry, but challenges remain in ensuring compliance and addressing evolving hazards. Ongoing efforts are necessary to protect the well-being of miners and prevent accidents in mining operations.

Research Questions

1. What are the procedures before entering a hazardous environment for miners?
2. What technology is being used to ensure their safety?
3. What new technology is coming out to ensure their safety?

Research Methodology

To truly understand the safety procedures associated with mining in hazardous environments, the group conducted a literature review of programs and technologies. This is to understand the standard for MSHA. The group also visited the National Institute of Safety and Health's Mining Research Facility to learn about the new technologies and mitigations being developed.

Limitations

One of the biggest factors of limitations were resources. Online it was difficult to find mine safety programs/procedures. A lot of the research was putting bits and pieces together to understand what a proper mine safety program was-and what procedures would come from that.

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Literature Review

Hazards

To understand mine safety procedures and mitigations, it is important to understand the hazards associated with mining. The hazards are as follows:

- **Mine-Cave Ins**
  - Occur when there is not proper supporting pillars or less predictable hazards occur
- **Mine Explosions**
  - Caused by dangerous gasses such as carbon monoxide, hydrogen sulfide, and methane
  - No means of escape for these gasses in mines
- **Poor Air Quality and Environmental Conditions**
  - Contaminants in the air
  - Gasses
  - Cold, damp, dark environment
  - Proper Ventilation is a **must**.

Procedures

Upon further research of tackling mine safety, there has been a pattern of recommended procedures for a mine safety program.

- **Planning**
  - Job Hazard Analysis (JSA)
  - Condition Analysis
- **Standards and Regulations**
  - Mine Safety & Health Administration (MSHA) Compliant
  - Occupational Safety & Health Administration (OSHA) Compliant
  - Environmental Protection Agency (EPA)
  - Department of Environmental Protection (DEP)
- **Training**
  - MSHA Part 46 or 48 Training
  - Personal Protective Equipment (PPE)
  - Standards
- **Continuous Monitoring**
  - Surveillance
  - Assessment
  - Identify Potential Hazards
  - Mitigate Risks
  - Compliance

Trends

To identify what technology is needed, we need to first address the current trends in the mining safety industry.

1. **Digital Transformation**
   a. The mining industry has been increasingly adopting digital technologies to improve efficiency, productivity, and safety. This includes the use of automation, robotics, Internet of Things (IoT) devices, and advanced analytics to optimize operations, monitor equipment performance, and enhance decision-making processes.
2. **Wearable Technology**
   a. Wearable devices equipped with sensors and communication capabilities are being used to monitor miners' health and safety in real-time. These devices can track vital signs, detect hazardous conditions, and alert workers and supervisors to potential dangers, improving response times to emergencies.
3. **Remote Monitoring and Control**
   a. Remote monitoring and control systems allow mining companies to oversee operations from a centralized location, reducing the need for workers to be physically present in hazardous environments. Remote-controlled equipment and autonomous vehicles enhance safety by minimizing exposure to risks such as rockfalls, gas leaks, and equipment malfunctions.
4. **Data Analytics for Safety Insights**
   a. Mining companies are leveraging data analytics to gain insights into safety performance, identify trends, and predict potential safety hazards. By analyzing vast amounts of data from sensors, equipment, and workers, mining companies can proactively address safety risks and continuously improve safety practices.
5. **Virtual Reality (VR)/Augmented Reality (AR)**
   a. VR and AR technologies are being employed for safety training and simulation exercises in the mining industry. These immersive technologies allow miners to experience hazardous situations in a controlled environment, helping them develop skills and practice safety procedures without exposing them to real risks.

Solution

New Mine Safety Technology

A vital aspect of developing new mining technology is data. By using data, employers can determine what means are necessary to keep their employees safe. As advancements in artificial intelligence (AI) and sensor technology continue to innovate, these technologies can help proactively prevent incidents. With the advancement of sensors, intelligence, and more, this could be the future of mining safety.

Compressed High-Intensity Radiated Pulse (CHIRP)

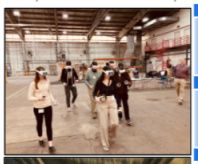
- Wireless communication technology with GPS as well as Light Detection and Ranging (LIDAR) to exchange data such as messages, sensor data, determine locations and measure distances.
  - Enables mine operators to optimize operations and reduce risk of accidents by improving communication and coordination.

VR

- Make plans come to life to generate 3D models to explore and evaluate hazards
  - Zoom in on access points, walkways, and equipment
  - Simulate emergency situations
  - Teamwork Exercises
  - Documented for evaluation

Probe IMT (Integrated Mining Technologies)

- Sensors play a key role in the modern mining industry, with several technologies used in critical applications, such as collision avoidance, maintenance, environmental monitoring, and asset management.
- Probe IMT has showcased sensor-based integrated productivity and safety systems in 2022. Real-time, accurate information facilitates improved decision-making for engineers and project managers.
- The integrated systems from IMT can monitor air quality and the location of workers to manage lighting systems. They can also enable smart mobility and energy management. The company provides level 9 sensor-based collision avoidance systems for mining companies.
- Sensors enable digital transformation in the mining industry, ensuring that clients have the necessary data and tools to ensure that key challenges are addressed in the future.





Underground Mining Safety In Hazardous Environments: Procedures and Mitigations

Olivia Rozenberg, Naomi DeLuca, Brian O'Neill

Thank you

- Dr. Betty-Jo Bowers
- Dr. Jack Ogutu


Literary Review

- Hazards
- Procedures
- Trends
- New Technology

Hazards

Mine-Cave ins

Introduction

Mining is the foundation of many industries. It is vital in completing processes such as manufacturing goods, infrastructures, and energy. The Mine Act was implemented in 1977 as a way to improve mining safety for workers across the United States.

Hazards Associated with Mining

- Structural collapses
- Explosions
- Respiratory issues
- Exposure to silica and other chemicals

Research Questions

1.What are the procedures before entering a hazardous environment for miners?

2. What technology is being used to ensure their safety?

3. What new technology is coming out to ensure their safety?

Hazards

Mine Explosions

Hazards

Poor Air Quality

Methodology

- Literary Review
  - -Programs
  - -Standards
  - -Procedures
- Site Visit

Limitations

- Lack of Resources
  - -Written Programs
  - -Clear Standards
  - -Procedures

Procedures

Written Programs

- Compliant with MSHA, OSHA, EPA
- PPE
- Standards
- Regulations
- Equipment Checklists
- Forms Necessary for Work

Procedures

Planning

- Job Hazard Analysis
- Surveying
- Consulting
- Testing

Procedures

Training
- MSHA Part 46 or 48
- Confined Space
- Airborne Hazard
- Fall Protection
- Emergency Response

Procedures

Continuous Monitoring
- Ongoing Surveillance
- Identify potential realtime hazards
- Mitigate Risks
- Ensure Compliance
- Early Intervention
- Preventative Measures
- Emergency Response Planning

Site Visit to NIOSH Facility

Trends in the Mining Industry

Trends in the Mining Industry

Digital Transformation
- Improve efficiency
- Productivity
- Safety

Trends in the Mining Industry

Wearable Technology
- Equipped with sensors
- Communication capabilities
- Detect Hazardous Conditions
- Alert Workers and supervisors to potential dangers
- Improve response times to emergencies

Trends in the Mining Industry

Remote Monitoring and Control
- Oversee operations from a centralized location
- Reduces need for workers to be physically present in hazardous environments
- Enhance Safety

Trends in the Mining Industry

Data Analytics for Safety Insights
- Safety Performance
- Identify Trends
- Predict Safety Hazards
- Analyze data from sensors, equipment, workers

Trends in the Mining Industry

Virtual Reality/Augmented Reality
- Safety Training
- Simulation Exercises
- Develop Skills
- Practice Safety Protocols

New Technology In Mining Safety

Virtual Reality

- Make plans come to life by generating 3D models to explore and evaluate hazards
- Zoom in on access points, walkways, and equipment

Questions?

References

1. Refs [redacted]

CHIRP

- Utilizes wireless communication technology
- Integrates with GPS and LiDAR
- Facilitates the exchange of messages, sensor data, location determination, and distance measurement.
- This empowers mine operators to enhance operational efficiency
- Mitigates the risk of accidents through improved communication and coordination.

Thank you!

Probe IMT

- Sensors used for collision avoidance, maintenance, environmental monitoring, and asset management.
- Real-time, accurate information facilitates improved decision-making for engineers and project managers.
- Monitors air quality and the location of workers to manage lighting systems.
- Enables smart mobility and energy management.

Summary

- Identify the need for research
- Hazards and conditions in underground mining
- Explore current technology and procedures to mitigate risks
- Identified trends in the mining industry for continuous improvement in safety
- Emerging technologies and their benefits to safety in the industry
- Site visit to NIOSH
- Continued efforts are crucial for a safer tomorrow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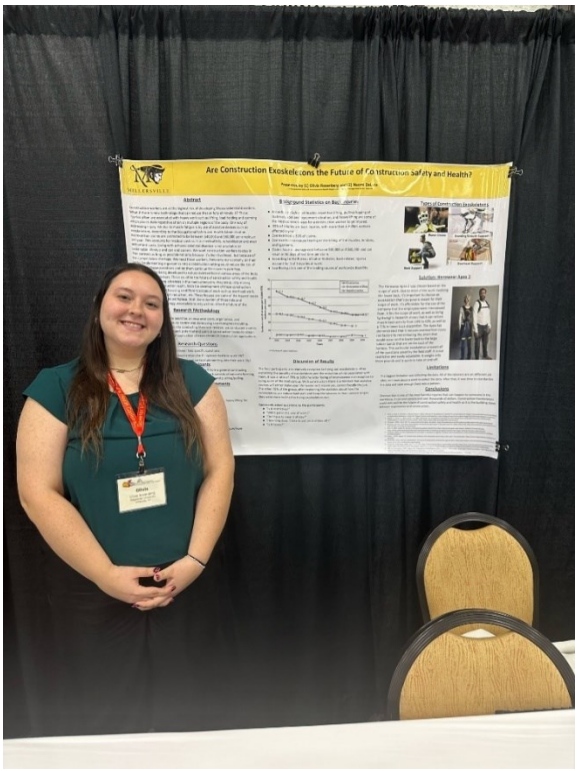
Appendix F-Conferences

Millersville Student Section attending the American Society of Safety Professionals Safety Conference and Expo. in 2023.

Region VI's Professional Development Conference. Olivia Rozenberg and Naomi DeLuca travelled to Myrtle Beach and placed first in the Undergraduate category for student presentations.

Governor's Occupational Safety and Health Conference, October 2023.
8 members of the student section attended. Two Students, Olivia Rozenberg and Phil Gomba presented their research at this conference.

Brianna Reitnauer was the recipient for the Phil Rhoads Memorial Scholarship.



Appendix G-Community and Campus Events

Emergency Preparedness Day

Easter Egg Stuffing for The Lion's Club Annual Easter Egg Hunt

Millersville Wellness Fair

Winter Coat Drive

CPR Training

Millersville Community Parade

Science Lectureship

Discovering Paths: STEAM Event at Spooky Nook

Epsilon Pi Tau Initiation

TEEAP Conference

Picnic on the Patio

Women's STEM Conference

Appendix H-Social Events

Appendix I-Endorsements

Millersville University

P.O. Box 1002
Millersville, PA 17551-0302
www.millersville.edu

Department of Applied Engineering, Safety & Technology
Phone: 717-871-7237
Fax: 717-871-7931

March 22, 2024

To Whom It May Concern,

Please accept my letter of endorsement for the American Society of Safety Professionals (ASSP) Student Chapter at Millersville University. Olivia Rozenberg, President, and her board members were highly engaged and worked extremely hard to make the ASSP student chapter successful again this year. The student section was proactive in growing its membership, conducting research, holding technical and career development meetings, conducting several research posters/presentations, volunteering for campus events, increasing communication, holding social gatherings, participating in several safety demonstrations, and serving the community.

Some ASSP board members not only participated in making the ASSP Student Chapter successful but also worked in safety internships and part-time jobs as well as holding other leadership positions. For example, Olivia works for Warfel Construction part-time while attending school. She also served as President of her Sorority. Olivia and Naomi DeLuca, Vice President, presented their research on Construction Exoskeletons in the Fall of 2023 at Myrtle Beach, SC at the ASSP Region VI Professional Development Conference.

The students applied for several scholarships from the following organizations: ASSP Foundation, National Institute of Safety and Health (NIOSH), Board of Certified Safety Professionals (BCSP), Keystone Contractors, and the MidAtlantic Safety Council. Eight students received NIOSH scholarships and one received an ASSP Foundation Scholarship funded by Lancaster Safety Council (LSC). One student received the Rhoads Scholarship at the Governor's Conference in the Fall of 2023. Olivia and Naomi were awarded $2750 from the Central PA Chapter to attend the ASSP Safety 2024 Conference in Denver, CO. Two ASSP members joined Epsilon Pi Tau on November 10, 2023, which is the international honor society for technology professions. Several ASSP members were on the Dean's list.

Olivia and two occupational safety and environmental health (OSEH) minors attended a Millersville Lions Club meeting to ask how they could help serve their community. Seven ASSP club members participated in helping the Millersville Lions Club with their 2024 Easter egg hunt. They also built an "ASSP Fly High" float and marched in the Community Parade giving out candy to the children during a very rainy day in October of 2023. They were all soaked but had a great time.

The ASSP Student Section partnered with the Central PA Chapter to hold three technical meetings during the 2023-2024 academic year. John Howard, Director of the NIOSH presented the *Algorithms and Future of Work* at one of the meetings, which was very exciting to the ASSP Student members. Moreover, three ASSP students presented research on Mine Safety during the Central PA ASSP Parent Chapter meeting on March 13, 2024. They will also be presenting this research at the Central PA Safety Association Conference on April 3rd, the Made in Millersville Conference on April 9th, and the LSC meeting on April 18th. Annually, students assist with several events on campus. The student chapter board members were engaged with the ASSP Foundation and invited Mark Ahner and Justin Porter to speak during 2023-2024 academic year. ASSP members attended several training courses and guest speaker sessions. Four ASSP members attended LSC monthly meetings at Conestoga Country Club in the Fall 2024 semester. Several ASSP members attended Susan Harwood grant training in Slips, Trips, and Falls and Electrical Safety. Ten ASSP students received certificates for attending First Aid, CPR, and AED training on March 15, 2024. ASSP students attended Stop the Bleed.

Eleven students attended ASSP Safety 2023 in San Antonio, TX. Also, eight students attended the PA Governor's Safety Conference in Hershey, PA in October of 2023. During this conference, Phil Gomba and Olivia Rozenberg presented their research posters on driving safety and construction exoskeletons respectively. Three ASSP students volunteered during their spring break on March 7, 2024, to help with North Museum tours and safety demonstrations for middle and high school students. Four ASSP students helped me with the lab portion of my presentation on *Hazard Communication: Fire & Chemical Safety* at the Technology Engineering Education Association of Pennsylvania (TEEAP) Conference. Three ASSP members assisted with fire extinguisher demonstrations at the Women in Mathematics, Science, and Technology Conference (WMSTC) on April 4, 2023. In Fall of 2024, two ASSP students participated in the Lancaster Chamber Discovering Paths: STEAM event at Spook Nook Sports. Five ASSP members participated in the 37th Annual Brossman Foundation and Ronald E. Frisbie Science Lectureship. Four ASSP members participated in the MU Wellness Fair. ASSP students will also be performing fire extinguisher demonstrations using a Bullex simulator again this year at the Women in Math, Science, and Technology Conference held on April 2, 2024. ASSP student board members also attended and provided updates to the OSEH Program External Advisory Board at the bi-annual meetings.

The ASSP Student Chapter is hosting Companies Day occurring on April 16, 2024. On this day, representatives from four companies in pharmaceuticals, construction, consulting, and insurance will talk to students from all majors in the Applied Engineering, Safety, & Technology (AEST) Department and then present information about the safety profession during an ASSP meeting.

I am pleased with the work that the ASSP Student Chapter performed this academic year. The students went above and beyond my expectations this year. I am excited about their future work. They continue to be hardworking, enthusiastic, dedicated, and passionate about safety, research, community service, and much more. The students are friends and spend time together going to social activities in addition to all their work. It is a pleasure to be the Faculty Advisor for the MU ASSP Student Section. I strongly recommend them for the Outstanding Student Section award. I truly believe that they deserve it. Please feel free to contact me if I can be of further assistance. You may reach me at (717) 871-5482 or email me at Betty-Jo.Bowers@millersville.edu.

Sincerely,

Betty-Jo Bowers

Betty-Jo Bowers, Ph.D., MBA, CSP
Associate Professor & OSEH Program Coordinator, Millersville University
ASSP Student Chapter Advisor
Department of Applied Engineering, Safety, & Technology

AMERICAN SOCIETY OF
SAFETY PROFESSIONALS

Jeffrey M Hendershot, President, Central PA ASSP
325 Fairview Rd
Manheim, PA 17545
717-885-3867

March 27, 2024

Millersville University
Department of Applied Engineering, Safety, & Technology
P.O. Box 1002
Millersville, PA 17551

As President of the Central Pennsylvania American Society of Safety Professionals (ASSP) chapter, and on behalf of the governing Board of the Chapter, please accept our endorsement of the Millersville University (MU) student chapter for Outstanding Student Section. My colleagues and I have worked closely with the students over the last two years, increasingly over this this past year. The chapter accomplishments have been remarkable, and achievements included the following:

- Increased chapter membership this year by at least 12 students
- Attended multiple school events to increase membership and promote ASSP on campus
- Numerous students attended the GOSH conference, including two student presenters at the conference
- Two Students attended Region VI's PDC conference and placed first in the undergraduate category
- Collaborated with the Central PA Chapter to bring John Howard-Director of NIOSH in to present at a meeting
- Prepared a float and marched in the Millersville Parade
- Sponsored two trainings for ASSP members such as Electrical Safety and Slips, Trips, and Falls, and a CPR training
- Developed Research: Mining Safety in Hazardous Environments: Procedures and Mitigations (this research will be presented at conferences as well as a Central PA chapter meeting and Lancaster Safety Council Meeting)
- Conducted eight technical meetings, and three meetings with the Central PA professional chapter
- Multiple students volunteered at the Millersville Lion's Club for community involvement

The MU Student Chapter has been actively involved to promote the health, safety and welfare of the university campus, and their efforts have had a great impact- not only from an academic perspective, but by enhancing the quality of life on the MU Campus and Millersville community alike!

AMERICAN SOCIETY OF
SAFETY PROFESSIONALS

It is with great pleasure that, on behalf of the Central PA ASSP Chapter Board, that we fully endorse this chapter for the Outstanding Student Section Award (OSSA).

If you have any questions or need further information to assist in your decision to award MU as OSSA, please don't hesitate to contact me.

Cordially,

Jeffrey M Hendershot, CSP, ARM, CFPS, CRP, MBA, CIT-II
President, Central PA ASSP

Mark Ahner, MBA, CPCU, CSP, ARM
Region Manager
Risk Control Services
Liberty Mutual Insurance

Lehighton, PA 18235
Cell: 570-732-8669

Letter of Recommendation – Outstanding Student Section Award – Millersville University

8 March 2024

Dear Reviewer,

I am writing this letter to strongly recommend the Millersville University Student Section as ASSP's outstanding student section. This has been a truly outstanding year for this group. I've had the priveledge of working with this student section every year since 2010 when I was the student section president, and have to say that this year has been truly astounding. I believe this student section embodies the overall mission and vision of ASSP, as advancing our profession, promotion of safety as a career choice, and building a sustainable talent pipeline to be guardians of workplace safety.

The specific values of ASSP embodied by the Millersville Student Section include thought leadership, a sense of community and accountability. These have been demonstrated in 2023-2024 via their proactive communications on compus through a variety of social media platforms, attending school events on campus, and community engagement which has resulting in an increase in 12 active members of the organization. This achievement alone speaks to the level of community engagement and sustainability which this student section will glean from this pipeline of future leadership.

Beyond this, they exceed all criteria for this award by holding 8 total technical focused section meetings and collaborating with the parent chapter (Central PA) on at least 3 occasions, which allowed the organization to team up with Dr. John Howard, Director of NIOSH, to be a guest speaker. From a student development standpoint, Millersville's group shines above many with their student facing training on CPR, electrical safety and slip, trip, fall technical trainings. They were also broadly involved with the PA GOSH conference and Region VI PDC, where they had student speakers who placed first in the undergraduate category.

Last, their student research project on mining safety will be utilized by our profession and parent chapter members to continue to advance our profession and the vision of ASSP in protecting people, property and the environment.

As past chair of the ASSP Foundation Next Generation Board, past chair of the Future Safety Leaders Conference, and active ASSP leader, I am writing just one letter of recommendation for the outstanding sutdent section. I'm proud to do so for the Millersville University section. I strongly encourage you consider this group for the award, and know that they will represent the ASSP community with the same pride and commitment they have brought to campus.

Please don't heistate to reach out to me if I can provide any more information to further outline the achievements of this student section in 2024.

Regards,
Mark Ahner

March 17, 2024

Millersville University
Occupational Safety & Environmental Health Program
P. O. Box 1002
Millersville, PA 17551-0302

Attn: Dr. Bowers

Dr. Bowers,
I just wanted to write you in support of the Millersville Student Chapter of the American Society of Safety Professionals. I was able to attend the February Meeting and presented on Tricks and Tips of interviewing followed by mock interviews. This is where I got to meet most of the student that attended the meeting and found each of them well prepared.

I also got to meet the officers of the Student Chapter and saw them run a very efficient and engaging meeting.

I would whole heartedly support this Student Chapter to be nominated and award the Outstanding Student Section Award.

Sincerely

Frank Baxter, M.S., CSP
Director of Loss Prevention

Greater Philadelphia
150 S Warner Road
Suite 420
King of Prussia, PA 19406
Telephone 484.654.0575

New Jersey
Campus View Plaza
1250 Route 28, Suite 201
Branchburg, NJ 08876
Telephone 908.566.1010

Boston
1 Liberty Square
Suite 1120
Boston, MA 02109
Telephone 508.826.7678

New York City
450 7th Avenue
Suite 400
New York, NY 10123
Telephone 646.625.7100

Long Island, NY
Greenway Plaza Office Park
145 Pinelawn Road, Suite 220S
Melville, NY 11747
Telephone 516.962.8170

Contact us
info@constructionriskpartners.com

constructionriskpartners.com

Appendix J-Newsletters

AUGUST 2023

FIrst meeting of the semester

UPCOMING EVENTS:

TUESDAY, SEPTEMBER 12: SCOTT WEICHLER (NUCLEAR) @12 ROOM 312

SATURDAY, SEPTEMBER 16: NSBE CAREER CARNIVAL (12-5)

TUESDAY, SEPTEMBER 26: MATT BURKHART (OIL & GAS) @12 ROOM 312

WEDNESDAY, SEPTEMBER 27: EMPLOYEE FALL WELLNESS FAIR (11AM-2PM)

AMERICAN SOCIETY OF SAFETY PROFESSIONALS
COMMUNITY

In the meeting:

In this meeting we introduced all the board members. After everyone got to know the board members we went around the room and had everyone introduce themselves and give some fun facts. We then talked our research project and had people sign up if they would like to help out.

SEPTEMBER 2023

AMERICAN SOCIETY OF SAFETY PROFESSIONALS
COMMUNITY

ON THIS EDITION :

ASSP Officers 2023-2024:

President : Olivia Rozenberg

Vice - President: Naomi Deluca

Treasurer: Sean Harris

Secretary: Sabrina Zimmerman

Historian / Newsletter: Saige Shine

SEPTEMBER MEETINGS & ACTIVITIES

September 12, 2023:
Scott Weichler came in and talked about Nuclear.

September 16, 2023:
NSBE career carnival.

September 26, 2023:
Matt Burkhart came in and talked about oil and gas.

AMERICAN SOCIETY OF SAFETY PROFESSIONALS
COMMUNITY

OCTOBER 2023

This month:

This month we had three guest speaker presentations. Our first guest speaker was Samuel Welk who talked about fire and his experience. The second guest speaker was John Howard, who is a very intelligent man that spoke about NIOSH. Lastly, the last guest speakers were Mark Ahner and Justin Porter who spoke about ASSP scholarships.

SAMUEL WELK- FIRE:

JOHN HOWARD - NIOSH:

MARK AHNER AND JUSTIN PORTER - ASSP SCHOLARSHIPS

UPCOMING EVENTS:

TUESDAY, NOVEMBER 14: RYAN GREEN (PHARMACY) @12 ROOM 312

TUESDAY, NOVEMBER 28: RANDY SPURLOCK (CONSTRUCTION) @12 ROOM 312

AMERICAN SOCIETY OF SAFETY PROFESSIONALS COMMUNITY

BECOME A ASSP MEMBER

Two EASY steps:

Step 1:
Join ASSP!
-Student dues are $15 per year

Click here to join

Step 2:
Join get Involved at Millersville University!

Click here to join MU-ASSP club

AMERICAN SOCIETY OF SAFETY PROFESSIONALS COMMUNITY

JANUARY 2024

This month:

This month we had our first meeting of 2024 and there was 24 students in attendance! We went over a little bit about our ASSP club and what we plan to do for this semester. Over the weekend a few ASSP members went bowling at our local bowling alley for bonding! We plan to continue to do more activities outside of our meeting room to contiune to bond!

FIRST MEETING OF 2024:

BOWLING:

UPCOMING EVENTS:

TUESDAY, FEBRUARY 6: EXOSKELETON DEMO @12 ROOM 312

WEDNESDAY, FEBRUARY 14: CENTRAL PA/STUDENT SECTION JOINT MEETING @12 ROOM 200

TUESDAY, FEBRUARY 20: ASSP MOCK INTERVIEW & RESUME (FRANK BAXTER) @12 ROOM 312

AMERICAN SOCIETY OF SAFETY PROFESSIONALS COMMUNITY

Appendix K-Social Media/Outreach

OM You
To oseh-students
Oct 30

Good Afternoon,

Tomorrow we will be having Justin Porter and Mark Ahner present on the ASSP Foundation Scholarships. This is a great opportunity to get some additional information on scholarships that could be available to you.

We are looking forward to seeing you at noon tomorrow!

Best,
Olivia Rozenberg
Occupational Safety and Environmental Health
ASSP President

ASSP Meeting Tomorrow at Noon!

Inbox

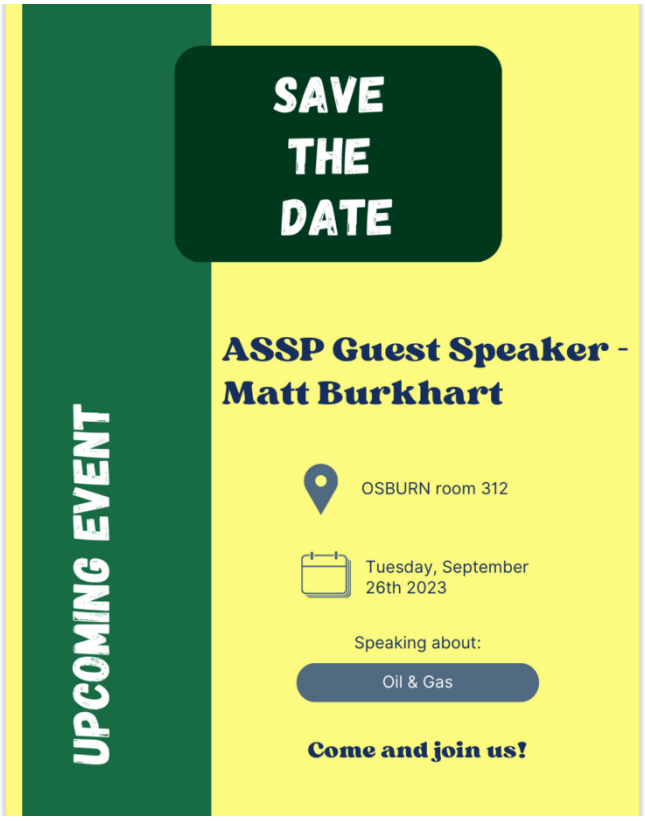
OM You
To oseh-students
Oct 16

Good Afternoon!

Tomorrow we are having an ASSP meeting at noon!
Our guest speaker will be presenting on fire safety!

We hope to see you there!

Best,
Olivia Rozenberg



First ASSP Meeting-Tomorrow at Noon!

OM You Jan 22
To oseh-students

Good Afternoon!

The American Society of Safety Professionals will be holding our first meeting of the semester tomorrow afternoon in room 312!

We will be discussing the calendar for the semester and opportunities coming up. If you are interested in joining us, feel free to come tomorrow!

Best,
Olivia Rozenberg
Occupational Safety and Environmental Health
American Society of Safety Professionals President
Millersville 2025
(She/Her)

ASSP Meeting Tomorrow! Topic: Exoskeletons

Inbox

OM You Feb 5
To oseh-students

Good Afternoon!

The American Society of Safety Professionals will have SuitX tomorrow afternoon to tell us about their company as well as demo their products!

This should be an exciting meeting and we are looking forward to seeing everyone tomorrow!

Feel free to reach out to me with any questions or concerns,
Olivia Rozenberg
Occupational Safety and Environmental Health
American Society of Safety Professionals President
Millersville 2025
(She/Her)

FIRST ASSP MEETING!

Inbox

OM You Aug 28
To oseh-students

Hi Everyone!

Our first ASSP meeting is tomorrow at noon in room 312!

Attached is the flyer.

We are so excited to meet you and look forward to an amazing year!

Best,
Olivia Rozenberg
Occupational Safety and Environmental Health
Alpha Sigma Tau President
American Society of Safety Professionals President
Millersville 2025
(She/Her)

00:59

Topic: Nuclear Safety

millersvilleassp
Millersville University

Liked by **seanharr31** and **others**

millersvilleassp :
ASSP had it's first meeting of the semester this week! we had a great time introducing ourselves, going over... more

January 26

23:01

MILLERSVILLEASSP
Posts

millersvilleassp
Leisure Lanes of Lancaster Inc

Liked by **seanharr31** and **others**

millersvilleassp this past Friday, members of ASSP went bowling together! we had a great time and can't wait to do more things together!

January 29

millersvilleassp

23:00

MILLERSVILLEASSP
Posts

millersvilleassp
Kingston Plantation

Liked by **sabrina.zimmerman15** and **others**

millersvilleassp Huge congratulations to our President, Olivia Rozenberg and Vice President, Naomi DeLuca who placed first at the ASSP Region VI PDC conference! They travelled all the way from Millersville to Myrtle Beach, South Carolina to compete against 11 other students most of which who were graduate students.
Their topic was, "Are Exoskeletons the future of Construction Safety and Health?"
Please join us in congratulating these two individuals!

millersvilleassp
Student Memorial Center

Liked by **thehelenrush** and **others**

millersvilleassp :
come visit us at the emergency preparedness day fair! we'll be here 11-2!

September 26, 2023

millersvilleassp
Kingston Plantation

millersvilleassp

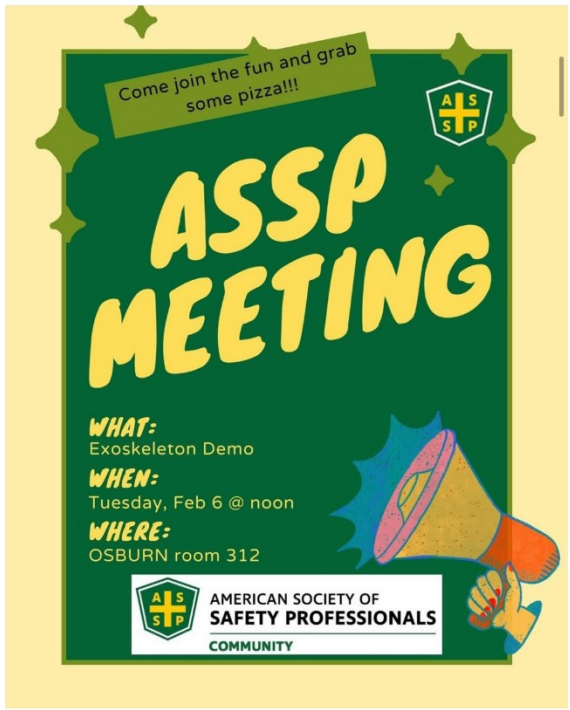
Liked by **oliviarozenberg** and **7 others**

millersvilleassp What's Wrong Wednesday: Comment below!!!

oliviarozenberg not the stepping on top of the ladder ⚠️⚠️⚠️

thehelenrush Three points of contact I don't know her

millersvilleassp



Liked by **seanharr31** and **10 others**

millersvilleassp 📣 TOMORROW 📣 February 6th: ASSP Student Section Meeting in Osburn 312 at noon on SUITX Exoskeleton Demo

millersvilleassp
Millersville University

Liked by **naomidelucaa**

millersvilleassp :
come and join us to learn about nuclear power with Scott!

millersvilleassp

Liked by **thehelenrush** and **12 others**

millersvilleassp What Wrong Wednesday:

Every Wednesday from here on out we are going to ... more

millersvilleassp

Liked by **sabrina.zimmerman15** and **others**

millersvilleassp On Saturday we were in the Millersville Homecoming parade! We were able to assemble this float, with the slogan "Fly High with ASSP" for the theme... more

October 15, 2023

millersvilleassp
Millersville University

Liked by **zietak** and **others**

millersvilleassp :
yesterday some members of our organization participated in the 37th Annual Brossman Foundation and... more

October 13, 2023

millersvilleassp
Millersville University

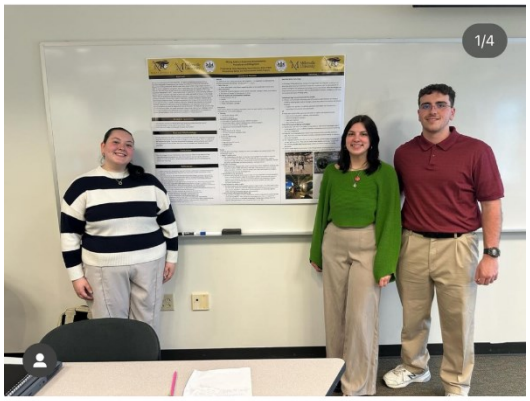
Liked by **thehelenrush** and **others**

millersvilleassp :
today we were at the wellness fair! it was great meeting everyone and handing our wellness bags!

View 1 comment

September 27, 2023

millersvilleassp



Liked by **seanharr31** and **others**

millersvilleassp :
Yesterday, President, Olivia Rozenberg, Vice President, Naomi DeLuca, and Student Member, Brian O'Neill... more

March 14

Appendix L-List of Student Members on Get Involved

Abby	Rodriguez		
Betty-Jo	Bowers	Faculty/Staff Advisor	
Brayden	Bowser		
Brian	O'Neill		
Connor	Bain		
David	Kahler		
Dominick	DeLorenzo		
Halee	Shick		
Jack	Ogutu	Faculty/Staff Advisor	
jordan	Branch		
Joshua	Zietak		
Kerri	DeWitt		
Levi	Brubaker		
Micah	Hostetter		
Naomi	DeLuca	Vice President	

Select	First Name	Last Name	Positions
Nigel	Marquez		
Olivia	Rozenberg	President	
Riley	Stanton		
Sabrina	Zimmerman	Secretary	
Saige	Shine	Newletter Editor / Historian	
Sean	Harris	Treasurer	
Shinee	Stout		
Simon	Maier		
Sophia	Farrell		
Sophia	Riad		
Vaughn	Weldon		
Wesley	Erickson		
Zachary	Rinehart		