Student Section Information

Application Date: March 31, 2014

Activity Dates: September 2013 through March 2014

Student Section Name: Indiana University of Pennsylvania (IUP)

Parent Chapter: Western PA

Faculty Advisor: Tracey Cekada

Number of Students Pursuing an Academic Degree in Safety or another Safety related discipline: 325

Number of Section Members: 128

Names and Titles of Student Section Officers and Leaders
(i.e. President, Vice-President, Committee names and Chairs, etc.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jonathan Blair</td>
<td>President</td>
</tr>
<tr>
<td>Matt Merschbach</td>
<td>Vice President</td>
</tr>
<tr>
<td>Caroline Billon</td>
<td>Secretary</td>
</tr>
<tr>
<td>Elliott Laratonda</td>
<td>Treasurer</td>
</tr>
<tr>
<td>Brad August</td>
<td>Social Chair</td>
</tr>
</tbody>
</table>
Contact Information

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

Signature – Student Section President

Signature – Faculty Advisor

Student Section Address:

Safety Sciences Department

1010 Oakland Avenue; 117 Johnson Hall

Indiana, PA 15705

Phone Number:

724-357-3272

Annual Minimum Requirements

<table>
<thead>
<tr>
<th>Check off</th>
<th>Annual Minimum Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓</td>
<td>Include at least four newsletters published by Section within the academic year with this application. If section uses social media in place of newsletters, please include several screenshots/printout examples.</td>
</tr>
<tr>
<td>✓</td>
<td>Include dates of attendance and subject matter of a minimum of 2 parent-chapter General Membership or Executive Committee meetings attended by a Student Section representative within the academic year.</td>
</tr>
<tr>
<td>✓</td>
<td>Describe in detail at least 6 Section meetings, with 4 being of technical content, held by the Section this year. The definition of “technical” in this context is that the process or procedure directly relates to SHE practice.</td>
</tr>
<tr>
<td>✓</td>
<td>Include a signed and dated copy of the latest bylaws review (regardless of changes). Show that Section Bylaws are reviewed annually and have been revised (as needed) and re-approved within the last 2 years.</td>
</tr>
<tr>
<td>✓</td>
<td>Show that Section works with and cooperates with the Faculty Advisor on all matters.</td>
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</tbody>
</table>
## Judging Criteria

### 1.0 Professional Development

<table>
<thead>
<tr>
<th>Meeting Date</th>
<th>Topic</th>
<th>Speaker</th>
<th># of Section Members in Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/5/13</td>
<td>ASSE Board Kick-off Meeting</td>
<td>N/A</td>
<td>Board Members</td>
</tr>
<tr>
<td>*9/12/13</td>
<td>Emerging Health Issues: An Insurer’s Perspective</td>
<td>Phil O’Neill, Chubb Group of Insurance Companies</td>
<td>46</td>
</tr>
<tr>
<td>10/3/13</td>
<td>ASSE Board Agenda Meeting</td>
<td>N/A</td>
<td>Board Members</td>
</tr>
<tr>
<td>*10/24/13</td>
<td>US Public Health Service Safety Program</td>
<td>Matt Deptola, National Institute of Health (NIH)</td>
<td>32</td>
</tr>
<tr>
<td>*11/13/13</td>
<td>“Global Harmonization System (GHS): What does it mean to you?”</td>
<td>Chad Sicari, HES Specialist and GA, Chevron</td>
<td>53</td>
</tr>
<tr>
<td>*11/21/13</td>
<td>Controlling Silica Exposures in the Gas Industry: Air Shower Discussion and Demo of Newest Available Technology</td>
<td>Josh Beaver, Mobile Air Showers</td>
<td>43</td>
</tr>
<tr>
<td>11/26/13 (Parent Chapter Meeting)</td>
<td>“10 Low (or no) Cost Ergo Improvements that will Reduce MSD in 2014” and “Worker Safety at Dicks Sporting Goods”</td>
<td>Mark Turina, ErgoSmarts Consultants; Julie Ross, Dick’s Sporting Goods</td>
<td>2</td>
</tr>
<tr>
<td>12/8/13</td>
<td>ASSE Agenda Meeting</td>
<td>N/A</td>
<td>Board Members</td>
</tr>
<tr>
<td>1/24/14</td>
<td>Defense Contractor Systems Safety Career Field</td>
<td>Tyler Patterson, Science Applications International Corporation (SAIC)</td>
<td>5</td>
</tr>
<tr>
<td>1/30/14 (Parent Chapter Meeting)</td>
<td>Meet Your New OSHA Area Director</td>
<td>Chris Robinson, OSHA</td>
<td>6</td>
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<tr>
<td>2/4/14</td>
<td>ASSE Agenda Meeting</td>
<td>N/A</td>
<td>Board Members</td>
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<tr>
<td>2/6/14</td>
<td>“Apples to Apples - How a Safety Professional Can Compare Job Offers”</td>
<td>Eric Nelson, Owner, Steel City Safety</td>
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<tr>
<td>*3/4/14</td>
<td>Noise and Vibration Assessment Techniques</td>
<td>Rob Brauce, Casella CEL, Inc.</td>
<td>31</td>
</tr>
<tr>
<td>*3/13/14</td>
<td>Chemical Facility Anti-Terrorism Standard (CFATS) and Certification</td>
<td>Jonathan Cunkelman</td>
<td>26</td>
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<tr>
<td>*3/25/14</td>
<td>“A Day in the Life of a Safety Consultant”</td>
<td>April Henigan, Amerisafe</td>
<td>32</td>
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<tr>
<td>*3/27/14</td>
<td>“The Safety Professional vs the Loss Control Professional: What is the difference?”</td>
<td>Fran Sehn, Willis</td>
<td>30</td>
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<tr>
<td>*4/7/14</td>
<td>“Hazard Recognition: Test Your Skills”</td>
<td>Scott Butlerbaugh, McConway &amp; Torley, LLC</td>
<td>TBD</td>
</tr>
<tr>
<td>4/21/14</td>
<td>Career Exploration: Preparing students for success</td>
<td>ASSE board members &amp; Dr. Tracey Cekada, Faculty Advisor</td>
<td>TBD</td>
</tr>
</tbody>
</table>

* Indicates a technical meeting
"Other Professional Development Activities"

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/26/13</td>
<td><em>Presentation: Networking with Practitioners: Kickin' Butt &amp; Takin' Business Cards</em></td>
<td>Indiana, PA</td>
</tr>
<tr>
<td>10/1/13</td>
<td>11th Annual Alleghenies Regional Safety Conference</td>
<td>Johnstown, PA</td>
</tr>
<tr>
<td>*10/23/13</td>
<td>W. PA Regional Professional Development Conference</td>
<td>Slippery Rock, PA</td>
</tr>
<tr>
<td>11/7/13</td>
<td>ASSE Future Safety Leadership Conference</td>
<td>Schaumburg, IL</td>
</tr>
<tr>
<td>11/8/13</td>
<td>ASSE Webinar: Safety in downstream oil and gas sector</td>
<td>(webinar)</td>
</tr>
<tr>
<td>1/23/14</td>
<td><em>Training: OSHA-Authorized 10-hour Outreach Training Course for Construction</em></td>
<td>Indiana, PA</td>
</tr>
<tr>
<td>*2/21/14</td>
<td>Training Course for Construction</td>
<td>Indiana, PA</td>
</tr>
<tr>
<td>3/28/14</td>
<td></td>
<td>Indiana, PA</td>
</tr>
<tr>
<td>3/29/14</td>
<td></td>
<td>Indiana, PA</td>
</tr>
<tr>
<td>5/1/14</td>
<td>Mid-Atlantic Safety and Health Conference (several students are expected to attend this conference)</td>
<td>Cranberry, PA</td>
</tr>
</tbody>
</table>

*Indicates more information on this event included elsewhere in the application

2.0 Section-Sponsored Research and Applications

1) The Challenges in Academia: A look at some of the most common and costly safety violations

The purpose of this study was to identify the number and types of violations that are occurring within colleges and universities (NAICS code 611310) during inspection with the Occupational Safety and Health Administration (OSHA) and to identify those standards in which employers were most likely to fail to comply with during these inspections. Through the identification of those standards in which employers were most likely to fail to comply, recommendations can be made to improve overall safety and health of college and university workers. **The findings from this research have been completed and an article has been submitted to Professional Safety Journal for possible publication.**

2) Back Belts: Do They Work? A Survey Regarding Back Belts for Fitness vs Occupational Research

The purpose of this study was to research the actual benefits of back support belts. Are students under the misconception that back belts used for weight lifting make them stronger? Do back belts reduce the chance of injury while lifting materials at work? Do back belts really work? **The findings from this research have been submitted to ASSE's Manufacturing Practice Specialty publication called SafelyMade and has been accepted for publication. It is expected to be published in early April.**
3) The Effect of Vibration from Tattoo Machines

The tattooing industry is one that has not received official attention regarding the ergonomics of the tattooist while tattooing their patrons. As a result, an analysis was conducted on various tattoo artists' posture and their correlating interaction with their tattooing machines. Additionally, a further investigation was performed regarding the materials and vibration frequency of the tattoo machines. Through the study the researcher was looking to find a correlation between the weight of the tattoo machines used and the residual vibration frequency. The tattoo artists that were visited claimed that they were already experiencing symptoms that could eventually lead to poor circulation ailments like white finger and hand-arm vibration syndrome.

4) Predictive Analytics: Using Leading Indicators to Prevent the Next Injury

Predictive analytics includes a variety of statistical methods for predicting future events. In the realm of workplace safety, this approach to statistical analysis is used to measure the progress of safety programs and determine where the next injury may occur. Models and predictions are generated by computer software, using real time safety observations, as well as past statistics. Mathematical techniques, such as algorithms and decision trees, are applied to these statistics to predict future incidents. Predictive analytics has been proven to be more effective than traditional trend analyses, and specific success stories provide the evidence. Predictive analytics is becoming a vital tool of safety programs by utilizing technology and reducing accident rates. **ASSE student section treasurer, Elliott Laratonda, researched this topic and has submitted a short paper to ASSE’s Manufacturing Practice Specialty publication called SafelyMade for possible publication. He is awaiting a decision.**

3.0 Community and Professional Enhancement

**Section-sponsored community activities:**

1) Student Sections of ASSE Host Western PA Professional Development Conference

Both the IUP and Slippery Rock University student sections of ASSE in conjunction with the Western PA (Parent Chapter) Chapter of ASSE hosted their first Regional Professional Development Conference on October 23, 2013. **This conference is aligned with many of the Society-wide initiatives currently under way to mentor and grow leaders and work with our Student members to bring them into the fold as Professionals.** The conference brought in speakers from around the region and country, including Stephanie Helgerman, Senior Vice President of Finance at ASSE. **ASSE student members from IUP helped by donating $500.00 of seed money to host this event. They worked the registration tables, organized transportation, and helped to get ready for the event. Over 250+ professionals and students attended this conference. This is to be an annual event hosted between IUP and SRU. Money raised from this conference is being considered to be used as seed money for an endowed scholarship through the ASSE Foundation.**
2) An Assessment of Machine Guarding at Local High School

ASSE members conducted a machine guarding assessment of the machine guards in the wood shop at Indiana High School. Based on the findings from their assessment, feedback was provided back to the school with recommendations for improvement, where applicable.

3) Boy Scout Safety Inspection

Due to past success, the student section of ASSE at IUP has been asked again to take part in an annual project where student members will help out the local Boy Scouts by conducting a walk-through and safety inspection of Camp Seph Mack Park on May 3, 2014. This is the third year in a row that ASSE student members have participated in this project. The inspection process takes approximately four hours to complete.

Section participation in other community activities:

1) ASSE Volunteers at Greater Pittsburgh Community Food Bank

ASSE student members volunteered to help out at the Greater Pittsburgh Community Food Bank on November 16th, 23rd, and 24th, 2013 in Monroeville, PA. The purpose behind the food bank is to help raise money and food donations for those who go hungry around the Pittsburgh region.

2) National Stand Down for Safety

ASSE student members attended the national “Stand Down for Safety” event on November 14, 2013. The IUP Safety Sciences department hosted one of the few sites for this nationwide event for the oil and gas industry. This is a day in which (in theory) every company in the industry across the country will stop for 30 minutes and talk about safety. There were Web-based speakers, including David Michaels (Assistant Secretary of Labor for OSHA) and the head of the National Institute for Occupational Safety and Health. Approximately 100+ students attended this event, with a significant number of them being ASSE student members.

3) ASSE Students Participate in Cold Hands Warm Heart Event

Several ASSE student members participated in the Cold Hands Warm Heart 8K walk/run and obstacle course in Indiana, PA on February 8, 2014. This event benefits the Center for Cardiac & Vascular Care at Indiana Regional Medical Center. This event started at Uptown Fitness in Indiana and continued throughout the streets of Indiana. Our student section secretary took 2nd place in the obstacle course! (See newspaper article in the attachment section.)

4) ASSE Student Section Members Represent Safety Sciences Department at Opportunity Fair

Twelve ASSE student members represented the Safety Sciences Department at the Altoona Post High School Opportunity Fair on October 1 and 2, 2013 in Altoona, PA.
Students set up a table and were on hand to provide high school students and their parents with information on the field of safety sciences. Over 2000 students and adults attend this event!

5) ASSE Members to Help Out in the “Walk a Mile in Her Shoes” Campaign to End Domestic and Sexual Violence

ASSE members plan to help out at the “Walk a Mile in Her Shoes” event on April 12, 2014 in downtown Greensburg. ASSE members will help to support the event by handing out drinks and fulfilling any other needs of the organization. This event is expected to host over 650 participants. This event directly supports Blackburn Center’s education and outreach activities that sustain the agency’s mission to end domestic and sexual violence.

Section sponsored campus activities:

1) ASSE Members Consult in Accordance with NFPA 96 – Ventilation Control and Fire Protection of Commercial Cooking Operations

ASSE members were sought out for their expertise in the area of safety in the kitchen. The IUP District Safety Leader and Assistant Director for the food court asked for the assistance of IUP ASSE student members to evaluate their kitchen hood cleaning activities and to make recommendations for a safe solution to cleaning their kitchen hoods. Six ASSE students visited the facility on February 6, 2014 to conduct the assessment. A report of findings and recommendations was submitted to the Assistant Director.

2) Weight Room Safety Guidelines for Three Major Compound Exercises

Safety guidelines were created to help inform and protect students and faculty members who are utilizing weight lifting equipment. An informational flyer was created for the weight rooms on campus that involved three major compound exercises. These flyers were posted around the fitness facilities on campus.

3) Sustainability: How can our campus become educated and have an impact?

An informational bulletin board on sustainability was established on campus that discusses ways that students, staff and faculty can have an impact here on campus and in their personal life. This board has been established in a prominent location on campus where its message can be read and utilized by many.

4) ASSE student Members Organize Resume Review Sessions

ASSE student members organized resume review sessions on September 23, 24, and 26, 2013. Student members sought and organized faculty and professional advisement to help all the students in our program prepare their resume professionally for the Career Fair.
5) OSHA-Authorized 10-hour Outreach Training Course for Construction

As an ASSE professional development activity, ASSE student members helped to organize two 2-day training courses on February 21-22 and March 28-29, 2014 so students can get their 10-hour card for construction. Students were able to get Randall Butler, Teaching Assistant at IUP and certified OSHA trainer to conduct the course. Approximately 40 students signed up to take the course.

6) ASSE Student Section Members Speak at IUP Freshman Orientation

Six ASSE student members represented IUP by joining the Chairman of the Safety Sciences Department in addressing the incoming freshman students to the program. Students spoke about academic performance, scheduling, tips for building a successful college life, interview experiences, and the importance of joining ASSE.

7) 10 ASSE members help out at the Safety Sciences Career Fair

Approximately 10 ASSE members helped to set up and orchestrate the logistics of the Career Fair held at the Kovalchick Center on October 1, 2013. Students were responsible for helping companies carry their booth inside, set up their tables, directing them, etc. Our five ASSE board members were introduced to all the companies at the Career Fair during a luncheon and were provided an opportunity to speak about themselves and their role in ASSE.

8) ASSE Represents Safety Sciences Department at IUP Majors Fair

Four ASSE student members represented the Safety Sciences department at the IUP Major’s Fair on March 4, 2014. Students set up a table and helped to answer questions for students who have not yet decided on a major.

NEW IN 2013-2014
Section engagement with and/or support of the ASSE Foundation:

1) Student Section Participates in ASSE 2014 Student Membership Drive

The student section of ASSE at IUP participated in the ASSE 2014 Student Membership Drive that ran through February and March. In an effort to increase student membership in ASSE, student section board members visited six classrooms to talk to students about the benefits of ASSE. They also distributed official ASSE promotional materials and gave out safety sciences “freebies” for signing up. Dr. Rhodes raffled off two free student memberships for ASSE.

2) Student Section Hosts Western PA Professional Development Conference

As mentioned above in section 3.0 (Community Enhancement), both IUP and Slippery Rock University student sections of ASSE in conjunction with the Western PA (Parent Chapter) Chapter of ASSE hosted a Professional Development Conference on October 23, 2013. This conference is aligned with many of the Society-wide initiatives currently under way to mentor and grow leaders and work with our Student members to bring them into the fold as Professionals. Money raised from this conference is being considered to be used as seed money for an endowed scholarship through the ASSE Foundation.
3) **ASSE Student Section Board Member Serves on National ASSE Committee**

Aaron Sulava, former ASSE student section board member, was asked to sit on the national ASSE Student Strategy Task Force Committee. The purpose of this committee is to develop a strategic approach to increasing the number of students entering the safety profession and engaging with ASSE. It focuses on how ASSE can help in the transition from student to practicing professional.

4.0 **Recognition**

1) **ASSE Student Section Secretary Nominated for 2014 Women’s Leadership Award**

Caroline Billon, IUP ASSE Student Section Secretary was nominated for the 2014 Women’s Leadership Award that is sponsored by the Pennsylvania State System of Higher Education (PASSHE). This award recognizes women students who possess strong academic achievement, participate in co-curricular activities or community service, and demonstrate strong leadership skills. Ms. Billon is one such student! Winners are able to attend the 26th annual PASSHE Undergraduate Women’s Leadership Institute. One undergraduate, senior and graduate student will receive this prestigious award. Good luck Caroline! (Winners have not yet been decided.)

2) **ASSE Student Members Accepted for Energy Network Mentoring Program**

Two ASSE student members (Melissa Rubritz and Kayla Kokilla) were selected for the state of Pennsylvania Women’s Energy Network (WEN) Mentoring Program. These honored students attended a WEN meeting in February, 2014 where they met their professional mentors. This is a significant accomplishment for our program and student organization as most students selected for this great honor are coming from engineering programs.

3) **Scholarships**

The following scholarships were awarded to ASSE student members:

- Jeff Fyock - 2013 ASSE Foundation Scholarship ($5,250)
- Aaron Sulava – 2013 ASSE Foundation Scholarship ($4,700)
- Evan Hall – 2013 ASSE Foundation Scholarship ($1,000)
- Rich Diantoniis –2013 ASSE Foundation Scholarship ($2,000)
- Nicole Laskosi –2013 ASSE Foundation Scholarship ($1,000)
- Simeon Logan - 2013 ASSE Foundation Scholarship ($1,000)
- Caroline Billon – Alcoa Partnership Scholarship ($500)
- Christie DeVito – Alcoa Partnership Scholarship ($1250)
- Jeff Fyock – Alcoa Partnership Scholarship ($500)
- Ryan Grant – Alcoa Partnership Scholarship ($2,000)
- Leo Harkleroad – Alcoa Partnership Scholarship (1,000)
- Elliott Laratonda – Alcoa Partnership Scholarship ($1,250)
- Nicole Laskosi – Alcoa Partnership Scholarship ($500)
- Justin Loll – Alcoa Partnership Scholarship ($1,250)
- Caroline Billon – Chevron Scholarship ($2,000)
- Jeff Fyock – Chevron Scholarship ($2,000)
- Elliott Laratonda – Chevron Scholarship ($2,000)
- Eric Livingston – Chevron Scholarship ($2,000)
- Christie DeVito – Conoco Philips Scholarship ($1,500)
- Ryan Grant – Conoco Philips Scholarship ($2,000)
- Shannon Wright – Conoco Philips Scholarship ($1,500)
- Shannon Wright – David L. Johnson Scholarship ($895)

5.0 Student Section Participation

Below is a list of technical meetings and their applicable attendance rates.

<table>
<thead>
<tr>
<th>Meeting Date</th>
<th># of Section Members in Attendance</th>
<th>Percentage of ASSE members</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/12/13</td>
<td>46</td>
<td>36%</td>
</tr>
<tr>
<td>10/24/13</td>
<td>32</td>
<td>25%</td>
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<tr>
<td>11/13/13</td>
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<tr>
<td>3/27/14</td>
<td>30</td>
<td>23%</td>
</tr>
<tr>
<td>4/7/14</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

6.0 Endorsements

Endorsement letters from the following are attached:

- Aaron Cameron, ASSE Region VIII- Keystone Area Director
- Nick Kuntz- Chapter President, Western PA ASSE
- Carl Heinlein – Former BCSP President; ASSE Membership Chair
- Pam Walaski- ASSE Western PA Chapter, Student Section Liaison
- Dr. Lon Ferguson- Chairman, Indiana University of Pennsylvania, Safety Sciences Department
- Dr. Tracey Cekada- Faculty Advisor, ASSE IUP Student Section

7.0 Support Documentation

The following supporting documentation is attached in the Appendix:

A. Updated and approved bylaws (March 20, 2014)
B. Endorsement letters
C. Research projects
D. Four newsletters

E. Student Section Goals and Objectives

F. Miscellaneous support documentation
   - Cold Hands/Warm Heart article in local newspaper
   - Newspaper article on fire rescue by ASSE student members

8.0 Other

1) ASSE Student Members “Make the News”

Two ASSE student members (Tom Williams and Tyler Dowling) and local firefighters make the news for their response to a business fire that resulted from a lightning strike. (See newspaper article in attachments).

2) ASSE FLSC 2013 Published Testimonial

A student member had a portion of their testimonial from the 2013 Future Safety Leadership Conference (FLSC) published on ASSE’s website.
Appendices
Bylaws (last updated 3/20/14)
STUDENT SECTION BYLAWS

AMERICAN SOCIETY OF SAFETY ENGINEERS

Indiana University of Pennsylvania Student Section
of the Western Pennsylvania Chapter

Bylaws Adopted March 20, 2014

Bylaws Approved by:

Chapter Executive Committee

Area Director

Student Section Chartered 1973

ARTICLE I - NAME

Section 1. The name of this Section shall be the Indiana University of Pennsylvania Student Section of the Western Pennsylvania Chapter, American Society of Safety Engineers.

Section 2. Hereinafter, the Indiana University of Pennsylvania Student Section shall be referred to as the Section; the American Society of Safety Engineers shall be referred to as the Society; the Western Pennsylvania Chapter shall be referred to as the Chapter, the Area Operating Committee shall be referred to as the AOC; the Regional Operating Committee shall be referred to as the ROC; and the Indiana University of Pennsylvania shall be referred to as the School.

ARTICLE II - PURPOSES

Section 1. The purposes of this Section shall be to promote the advancement of the safety profession and safety education and to foster the professional well-being and development of its members within its campus and community.

Section 2. In fulfilling its purposes, the Section shall have the following objectives:

a) To further the professional preparation of the members by sponsoring programs for the advancement of safety and acquisition of technical knowledge.

b) To improve scholarship and the general quality of work in the Safety Profession by fostering a concern for progress in all areas of safety, among safety educators and practitioners.

c) To encourage greater professional and social cooperation and interaction among students of safety and allied fields and disciplines.

d) To unite the resources and skills of students and faculty in programs to benefit Section members, the school and its community.
e) To assist the Society in the development of effective and relevant educational programs for the preparation of future safety professionals.

f) To provide encouragement and support to society student activities and foster student member development and retention on its local campus.

g) To promote participation and entrance into safety/health careers by high school and college students.

Section 3. Nothing in these Bylaws is intended to substitute for, or supersede, rules or procedures established by the school that impact upon the Student Section.

ARTICLE III - MEMBERSHIP

Section 1. Section membership is open to all Student Members of the Society, who are enrolled in the safety or related curricula at the school identified in the Section's name. To be eligible as a Society Student Member, an individual shall be enrolled in an accredited undergraduate or graduate degree course intended to prepare the individual for practice in the safety profession or one of its relevant specialties, shall pay an annual renewal fee as designated by the Society Board of Directors, and shall declare in writing the intention to enter the Safety Profession upon graduation.

Section 2. Student Member status may be retained up to one year following graduation, or until the individual is employed in the field of safety, whichever comes first.

Section 3. Section membership is personal and non-transferable.

Section 4. Section members are eligible to vote on all matters brought before them. A majority affirmative vote is necessary for action unless otherwise specified in these Bylaws. On Chapter and Society issues, Student Members are eligible to vote only on the election of officers.

ARTICLE IV - ORGANIZATION

Section 1. The Section is a subdivision of the Chapter, formed and operated by ASSE Student Members attending an educational institution located within the Chapter's geographical area.

Section 2. The Section shall have and maintain a minimum of ten (10) members in order to maintain its charter.

Section 3. In order to maintain its charter, the Section shall identify an advisor (defined in Article V, Sec. 3) and shall provide the Chapter and Society annually with information on the advisor's name, address and telephone number.

Section 4. Formation and maintenance of the Section charter is based on requirements and guidelines set forth in the Chapter Administration Guide, and is subject to the approval of the Chapter and the appropriate AOC.
Section 5. The Section may be dissolved by the Chapter and/or the AOC, if such action is deemed to be in the best interests of the Chapter and Society. Voluntary dissolution of the Section shall be by two-thirds of Section members after a 30-day advance written notice by the Section Executive Committee. Voluntary dissolution is subject to the approval of the Chapter and AOC. Upon dissolution, all Section funds and assets shall be returned to the Chapter, school, ASSE Foundation or other ASSE entity, depending on the funding source.

Section 6. The Section fiscal year shall begin on April 1 and end March 31. The Section activity year shall begin on July 1 and end June 30.

ARTICLE V - OFFICERS

Section 1. Elected Section officers shall be:

a) President

b) Vice President

c) Secretary

d) Treasurer

e) Program Chair/Social Chair

Section 2. Duties of officers:

a) The President shall call, set agendas for, and preside at meetings of the Executive Committee, and preside and set agendas for meetings of the Section membership; shall set goals and objectives for the Section and provide leadership, guidance and direction to officers, committees and members to see that they are met; shall appoint members of the Nominating Committee; shall serve as chief spokesman and representative of the Section to the Chapter, Society and allied groups; and shall submit an annual report of Section activities to the Chapter and Student Member Activities Committee.

b) The Vice President shall succeed to the office of the President if the President is unable to serve; shall act for the President when requested to do so by the Executive Committee or members; and shall in general prepare to ascend to the Section Presidency in the following year.

c) The Secretary shall record, transcribe and distribute minutes of all Section meetings, prepare and distribute meeting notices, maintain all Section records and conduct Section membership development and retention activities under the supervision of the Executive Committee.

d) The Treasurer shall collect and disburse all Section funds, maintain Section financial records including all income and expense activities, collect Section-generated membership fees and dues, handle all Section liaisons with financial institutions, submit an annual report of all Section financial activities to the Executive Committee, and keep the Section and Chapter regularly informed as to the Section's financial status.

e) The Program Chair/Social Chair shall assist the President in identifying relevant topics and speakers for meetings. The program chair shall assist in arranging speaker presentations and coordinating field trips.
Section 3. There shall be a Section advisor who shall be either:

a) An ASSE member who is a faculty member of the school where the Section is located, or

b) A formally designated member of the Chapter in whose geographical area the Student Section’s school is located.

The advisor shall be an ex-officio member of the Section Executive Committee, and shall serve as liaison between the Section, appropriate school officials, and the Chapter. The advisor shall approve Section activity and financial reports, fund-raising activities, and be consulted on all matters relating to Section dues, fees and Bylaws. The advisor shall ensure that Section activities do not violate School rules and regulations governing on-campus clubs, groups and activities.

**ARTICLE VI - COMMITTEES**

Section 1. Elected Section officers and the Section advisor shall make up the Executive Committee, which shall govern the Section according to these Bylaws and within the authority delegated to it by Section members.

Section 2. The Section shall have a Nominating Committee, appointed by the President, for the purpose of developing a slate of Section officers annually for member election. The committee shall consist of three Section members, one of whom shall be a current or past Section officer. The committee shall elect its own Chairperson.

Section 3. Other Section committees may be appointed by the Section President.

**ARTICLE VII - NOMINATION, ELECTION AND REMOVAL OF OFFICERS**

Section 1. The Nominating Committee shall be appointed by the President/Chairperson annually for the purpose of recommending a slate of one or more nominees for each Section elective office. Publication of the slate, including background and qualifying information on each nominee, shall be completed no less than thirty (30) days before the election is conducted. The election and installation of officers for the succeeding Section activity year shall be completed before the end of the current year.

Section 2. The term of service for officers shall be for one (1) year beginning July 1.

Section 3. Any ten (10) Section members may submit a signed petition nominating one or more members for elective office. The petition shall be accompanied by a written acceptance by the nominee(s) and shall be submitted to the Nominating Committee Chairperson no less than fifteen (15) days before the election is conducted. The names and qualifications of the petition nominees shall be distributed to all members within seven (7) days of their receipt.

Section 4. All Section members shall be given the opportunity to vote on the election of officers, through written ballots distributed on campus and/or at a Section meeting.
Section 5. Three Section members, who are neither candidates for elective office, nominating committee members, nor current Section officers, shall be appointed as Tellers to count ballots, confirm the propriety of election/nomination procedures, and announce election results.

Section 6. Elected Section officers may be removed by majority vote of Section members at any regular or special meeting upon presentation of a signed petition from the Section Executive Committee or ten (10) Section members. Notification of such meeting shall be made to all members at least fifteen (15) days in advance of the meeting. Appointed Section officers may be removed by the officer who appointed them, or by the Section Executive Committee.

Section 7. Vacancies in elected Section offices occurring during the elected term shall be filled by the succession designated in Art. V, Sec. 1. The resulting vacancy in the office of Treasurer shall be filled by affirmative vote of a majority of Section members upon a nominating slate of one or more candidates submitted by a special member Nominating Committee appointed by the President. The election shall be held at a regular or special Section meeting, notice for which shall be published at least 15 days in advance.

ARTICLE VIII - DUES AND FINANCES

Section 1. Section members shall be assessed an annual student member renewal fee by the Society as determined by its Board of Directors. In addition, applicants for Student Membership may be assessed membership application fees as determined by the same Board. Fees shall be paid annually on the anniversary of the Student Member's election date.

Section 2. The Section may assess its members additional annual fees and dues, upon recommendation of the Section Executive Committee and approved by a majority of Section members voting at a meeting where a quorum is present.

Section 3. The Section Executive Committee, through the Section Treasurer, is responsible for all Section financial activities, under guidelines established by the Society, Chapter, these Bylaws, and the Section Executive Committee.

Section 4. The Section shall provide an annual financial report to the Chapter, Area Operating Committee and Student Member Activities Committee, describing all Section income and expense activities for the preceding twelve (12) months. This report shall be reviewed and signed by the Section Advisor and submitted to the Chapter by April 15.

ARTICLE IX - MEETINGS

Section 1. The Section Executive Committee shall meet upon the call of the President or upon a majority vote of its members.

Section 2. The Section shall hold at least two (2) meetings of its members annually, to acquaint them with its activities and conduct necessary business. Five (5) Section members at a meeting shall constitute a quorum.

Section 3. Special meetings of Section members may be called by the Section Executive Committee or by written petition of ten (10) members, submitted to the Section President/Chairperson.
Section 4. Section member meetings and votes shall be required to accomplish the following actions: amendment of these Bylaws, establishment of or change in Section dues or fees, removal of elected officers, and Section dissolution.

Section 5. Robert's Rules of Order Newly Revised shall govern the transactions of business at Section meetings, unless otherwise specified in these Bylaws.

ARTICLE X - AMENDMENTS

Section 1. Amendments to these Bylaws may be proposed by the Section Executive Committee or by written petition of at least seven (7) members. Amendments proposed by members shall be presented to the Section Executive Committee.

Section 2. Amendments shall be published at least fifteen (15) days in advance of the meeting at which action will be taken on them.

Section 3. Amendments shall be voted on at a regular or special Section meeting where a quorum is present. A majority affirmative vote is required for approval.

Section 4. All amendments approved by Section members are subject to approval of the Chapter Executive Committee and Area Director.
Endorsement Letters
March 21, 2014

American Society of Safety Engineers
Chapter/Student Services
1800 E Oakton St
Des Plaines, IL 60018

To whom it may concern:

Please be informed that, in my capacity as the Region VIII Keystone Area Director for ASSE, I endorse the submission of the Outstanding Student Section Application (OSSA) by Indiana University of Pennsylvania student section.

It is my opinion that the IUP student section has significantly contributed to the enrichment of its own membership, as well as to the professional chapter. The meeting schedule over the last year shows a clear departure from elementary topics and allows the attendees to learn from professionals in the field. Their research project work shows meaningful results and real-world application. The section has integrated themselves into several ongoing IUP campus activities, which not only improves visibility for the Safety Science program, but also gives them an opportunity to serve their fellow students. A joint PDC with the parent chapter and another student section, which is geared towards fostering our mentorship focus, was also a success. It gave student members an advantage in networking with professional members and local industry leaders, as well as provided another great learning opportunity.

Their active participation in the professional chapters' activities shows their willingness to extend themselves beyond the walls of the IUP campus and is evidenced by the number of students that attend not only local events, but those outside the area and at the Society level.

It is because of the hard work and dedication of the student officers and their advisor Dr. Tracey Cekada that they are deserving of such a prestigious award.

I am proud to be associated with them.

Yours in Safety,

[Signature]

Aaron Cameron
Region VIII – Keystone Area Director
March 28, 2014

American Society of Safety Engineers
Chapter/ Student Services
1800 E Oakton St
Des Plaines, IL 60018

RE: Endorsement for ASSE Outstanding Student Section

To whom it may concern:

As the current president of the Western PA Chapter of the American Society of Safety Engineers, I strongly encourage you to consider the Indiana University of Pennsylvania student section for the Outstanding Student Chapter Award. For a number of reasons, some of which you will likely note from your review of the IUP’s application, I feel strongly that the student chapter embodies both the true spirit of the society and the award.

For me, as the president one particular example stands above the others. This includes their professional development activities. In the past, the student section has always done a good job of hosting technical meetings to try to advance the knowledge of their students. However, this year, I have seen a significant growth in the number of professional activities that they have held. This includes both their technical meetings, which has typically gone from about four to five per year to nine in 2013-14. In addition to those technical meetings, they have organized “other” professional development activities to try to advance their students. A look at their application clearly illustrates this aggressive approach towards enhancing professional development activities. I commend them for their efforts in this area, as we can never stop learning— as students and as professionals.

Interacting and working with the IUP student chapter and their advisor Dr. Cekada has been a true pleasure. I encourage you to recognize the IUP ASSE student section for the ASSE Outstanding Student Section Award.

Sincerely,

Nicholas M. Kuntz
Nicholas Kuntz, CSP ARM
President – Western PA ASSE
March 26, 2014

American Society of Safety Engineers
Chapter/Student Services
1800 East Oakton Street
Des Plaines, IL 60018

Re: Endorsement for ASSE Outstanding Student Section

To Whom It May Concern:

I am very pleased to support the nomination of the Student Section of the American Society of Safety Engineers (ASSE) at Indiana University of Pennsylvania (IUP) for the prestigious Outstanding Student Section Award (OSSA) co-sponsored by ASSE and Mine Safety Appliances Company. The IUP Student Section is certainly well deserving of this award.

Again, I am very proud to be associated with the IUP ASSE Student Section. They are forward thinking, are involved in the betterment of the communities in which they live and continue to help the profession grow and succeed. I am certain that if the IUP ASSE Student Section won the OSSA, the honorarium and award would go directly toward enhancing their scholarships and conducting additional research projects. Based on my interaction with these young professionals, the future is bright for the EHS Profession. Below, I have focused on a few of their many activities in support of this nomination.

Both the IUP and Slippery Rock University Student Sections of ASSE, in conjunction with the Western PA Chapter of ASSE, hosted their first Regional Professional Development Conference on October 23, 2013. This conference is aligned with many of the society-wide initiatives currently under way to mentor and grow leaders and work with our student members to bring them into the fold as professionals. The conference brought in speakers from around the region and country, including Stephanie Helgerman, Senior Vice President of Finance at ASSE. ASSE student members from IUP were able to help by donating $500.00 of seed money to host this event. They worked the registration tables, organized transportation and assisted with the preparation for the event. Over 250 professionals and students were in attendance at this conference. This is going to be an annual event hosted between IUP and SRU, and the next conference is scheduled for the fall of 2014. The money raised from this event is being considered to be used as seed money for an endowed scholarship through the ASSE Foundation.

Another key point is their ongoing ability to represent ASSE, the Safety Sciences Department and the IUP Community. The leaders in our organization have repeatedly been asked over the course of the year to attend on and off campus events to serve as representatives of us.

Some of these events include the Altoona Post High School Job Opportunity Fair (where there are typically over 2,000 attendants), IUP Freshman Orientation, IUP Majors Fair and the Safety Sciences Career Fair. At each of these, students are asked to speak and/or answer questions. They really demonstrate their leadership and mentoring skills to prospective and incoming students at these events.
Please contact me if you have any questions concerning my nomination of the IUP ASSE Student Section for the ASSE Outstanding Student Section Award.

Sincerely,

[Signature]

Carl William Heinlein, CSP, ARM, CSHM, OHST, CRIS, CPEA, STS
Western PA Chapter – ASSE
Membership Chair

Senior Safety Consultant
American Contractors Insurance Group
March 21, 2014

To Whom it May Concern;

As the Student Section Liaison for the Western Pennsylvania Chapter (WPA) of ASSE I am writing to express my support for the application by the IUP Student Section to be awarded Outstanding Student Section of the Year.

Over the past five years I have had the opportunity to work closely with this Student Section and their faculty sponsor. They have always impressed me with the high level of engagement of a large number of students and how hard they work to advance the safety profession in their many activities and efforts. Dr. Cekada’s dedication as their Faculty Advisor is a critical factor and is certainly why these students graduate with such an edge over their peers who are not involved in an ASSE Student Section.

Dr. Cekada, along with her cohort at WPA’s other Student Section (Slippery Rock University), worked closely with another WPA member and myself to develop the first ever Joint Professional Development Conference in the fall of 2013, jointly sponsored by the two Student Section and the professional Chapter. To say that this event was a success is a true understatement. We not only had to close registration three days before the event began but we netted over $5,000 which is targeted to become the first contribution to an endowed scholarship through the ASSE Foundation. As we speak, Planning has begun for the next PDC already scheduled for October of 2014.

WPA continues to has work closely with the IUP Student Section to encourage attendance at the monthly technical meetings and Dr. Cekada and the students have responded positively. They have also worked to increase their presence on the Chapter website, uploading information about their leaders and activities along with By-Laws and other documents.

I believe the attached application being submitted by IUP provides sufficient detail about their many activities and accomplishments and provides sufficient documentation for them to be highly considered for the Outstanding Student Section award. If I may be of further assistance in evaluating their application, please do not hesitate to contact me at 412.414.4769.

Sincerely,

Pam Walaski  
Student Section Liaison  
Western PA Chapter

cc: Nick Kuntz – President/Western PA Chapter  
    Tracey Cekada
March 23, 2014

ASSE Chapter Services
American Society of Safety Engineers
2800 East Oakton
DesPlaines, Illinois 60018

RE: ASSE Outstanding Student Chapter Endorsement

To Whom it May Concern:

I am currently the Chairperson of the Safety Sciences Department at Indiana University of Pennsylvania (IUP). During my 15 year tenure as Chair, I have had the opportunity to interact with all of the IUP ASSE Student Chapters. I am currently the academic advisor for three of the current ASSE Student Officers. It was readily apparent with all three of these students that they were going to be special students and become future leaders. Therefore, it is not surprising how the student officers did such a tremendous job of enhancing student involvement and participation in our local ASSE Student Chapter.

The attached application is an excellent summary of the student chapter’s activities in the areas of: Professional Development, Section Sponsored Research, Community and Professional Enhancement, Recognition and Student Section Participation. I would like to highlight a few of the activities that in my opinion go above and beyond what typical student groups complete. In terms of research, the students completed a study to identify the number and types of OSHA violations that are occurring within colleges and universities. The identification of these violations can help in hazard identification as well as recommendations for elimination/control of the hazards. The findings from this research have been completed and an article “The Challenges in Academia: A look at some of the most common and costly safety violations” which has been submitted to Professional Safety Journal for possible publication. The student chapter also completed a research study or evaluate the actual benefit of back support belts. The findings from this research are included in the article “Back Belts: Do They Work? A Survey Regarding Back Belts for Fitness vs Occupational Research” which will be published in an upcoming issue of Safely Made a publication of the ASSE’s Manufacturing Practice Specialty.

The second area I would like to highlight relates to community service and professional enhancement. The IUP Student Chapter completed two community service activities that could also be viewed as professional enhancement. The first activity was a machine safeguarding assessment at Indiana Area High School. Following this assessment, formal recommendations were provided to the school to improve machine safeguarding in the wood shop. The second activity was a safety and fire assessment of kitchen hood cleaning activities at the IUP Food Court. A report of findings and recommendations was submitted to the Assistant Director to address the hazards associated with cleaning the Kitchen hoods. The last activity I would like to highlight involves the community at large. Specifically, the ASSE student members volunteered to help out at the Greater Pittsburgh Community Food Bank in Monroeville, PA. The purpose behind the food bank is to help raise money and food donations for those who go hungry around the Pittsburgh region.

The last area I would highlight for this year’s student chapter is “Recognition”. This past year, 14 students from the IUP student chapter were awarded scholarships based on their academic performance in the classroom. Two of these students received the two most prominent scholarships awarded by the ASSE Foundation. In addition, Caroline Billon, IUP ASSE Student Section Secretary was nominated for the 2014 Women’s Leadership Award that is sponsored by the Pennsylvania State System of Higher Education (PASSHE).
In closing, I am extremely proud of this ASSE Student Section. The amount of teamwork, energy, and diligence that this group achieved this year was exceptional and I hope the nominating committee seriously considers them for the Outstanding Student Chapter Award this year.

Sincerely,

[Signature]

Dr. Lon H. Ferguson, CSP, CFPS
Chairperson, Safety Sciences Department
March 21, 2014

Chapter/Student Services
American Society of Safety Engineers
1800 East Oakton
Des Plaines, Illinois 60018

Dear Chapter Services:

As the Faculty Advisor for the Indiana University of Pennsylvania (IUP) ASSE Student Chapter, I want to endorse the student section for their efforts over the 2013-2014 academic year. I have read the petition that the student organization is submitting and I agree that it accurately reflects the activities of the student section.

The IUP ASSE student chapter members have submitted what I feel is an extremely well-rounded application. They are strong in research—conducting three research activities that are extremely noteworthy and relevant. The fact that they have received and/or are seeking publication on them is impressive. Additionally, they have been extremely active both in the community and on campus. Finally, they have focused their initiatives this year to be in alignment with the needs of national ASSE, and I think they have done a great job of this. This is evidenced in their joining the 2014 ASSE Student Membership Drive and working to establish an endowed scholarship through the ASSE Foundation.

The IUP ASSE student chapter members realize the importance of conferences and attending educational seminars that enhance their body of knowledge. Over the course of this year, many of them have attended several conferences and have partaken in educational/training opportunities in order to increase their knowledge in the field of safety sciences. I feel this displays a strong commitment to student involvement, education, and leadership qualities. I think this should be applauded.

In closing, I have to say that I am extremely proud to be the Faculty Advisor for this organization. The amount of teamwork, energy, and diligence that this group pulls together makes it all worthwhile. That said, please consider them for the Outstanding Student Chapter Award this year.

Sincerely,

Tracey Cekada

Dr. Tracey Cekada
IUP ASSE Student Chapter Faculty Advisor
Research Projects
A look at some of the most common and costly safety violations in academia.
Introduction

Backpacks: An investigation into the physical stresses they place on the human body.

Purpose

The purpose of this study was to identify the

Materials

- T1-89 Titanium Capacity Calculator
- Gymnastics Sleepout Project
- The following materials were used in the study:

Methods

- Measurements
- Data Collection
- Results

Results

- With multiple steps of just one affected the outcome.
- The most significant factors are:
  - Choosing backpacks
  - Weight distribution
  - Shoulder and back pain
  - A high level of backpacks

Discussion

- Weight without experience using backpacks
  - The pressure box suggests that the shoulder is more
  - Excess pressure is experienced at the same moment.
  - This is due to the study indicating that a backpack is not

Limitations

- The study is limited to 12 participants carrying a backpack or if it
  - is worn or well fitted.

Discussion

- With one's shoulders, backpacks are being used
  - With 2 to 3 shoulder straps, the weight is reduced,
  - Of the backpacks carrying a backpack,
  - The individual should be able to
  - A total of 10 participants were used.

Introduction

Backpacks: An investigation into the physical stresses they place on the human body.
Examining the Association between Tacho Machines Weight/Material

Introduction

Vehicle Measurement Equipment

Scale

Materials

Purpose

The residual vibration frequency used and its location in the study. The researcher was

Methods

Measured the weight of the tacho machines to find

For each of the 7 filters, an X-axis and Y-axis data, the researcher

Vibration frequency machine and sampled the vibration

The tacho machines were kept open and not the noise was measured on various tacho articles, position

Results

A slight positive correlation was found between the vibration frequency of the tacho machines and the weight of the tacho machines. The correlation coefficient was found to be stronger than the damascus steel. Any inconsistency was found.

Conclusion

It is clear that the vibration frequencies of the tacho machines

Limitations

Positive correlation was limited in that the vibration frequencies were recorded, and no correlation was found between the type of materials and the vibration frequencies. There was no significant correlation found between the type of scale and the vibration frequencies.
For the job, predictive analytics is the best tool for prevention efforts. Analyzing past data can get closer to safety excellence using predictive analytics. Companies that have a comprehensive predictive analysis program have an advantage. A company that has a comprehensive predictive analysis program can get closer to safety excellence using predictive analytics. Companies that have a comprehensive predictive analysis program have an advantage.

Conclusion

Predictive analytics is the cutting edge of accident prevention and predictive analytics is the best tool for prevention efforts.

Example

What Predictive Analytics

Using Leading Indicators to Prevent the Next Injury

Predictive analytics is the best tool for preventing accidents. The following are examples of predictive analytics:

- Analyzing past data can get closer to safety excellence using predictive analytics.
- Companies that have a comprehensive predictive analysis program have an advantage.
- Predictive analytics is the cutting edge of accident prevention.

References

- [Reference 1]
- [Reference 2]
- [Reference 3]
- [Reference 4]
- [Reference 5]
Newsletters (4)
Davis Construction’s Annual Appearance

With the beginning of October rolling in quickly, we are approaching the 2013 IUP Safety Sciences Career Fair. John Dougherty from Davis Construction gave his annual presentation on September 26th; this presentation is mandatory for all students who plan to attend the career fair. His tips and tricks prepare the students for speaking with professionals and presenting themselves to company representatives. Many of the students attending the career fair and interview sessions have limited previous experience speaking with professionals. We are thankful for Mr. Dougherty to travel to Johnson Hall to present thoughtful suggestions and reminders. The biggest take-aways from the presentation were: professional and conservative dress codes, use action verbs on resumes, strengthen privacy settings on Facebook, create a LinkedIn account, network, maintain friendly and confident body posture, research the companies prior to visit, write thank you notes, act natural, and network some more!

Ladies of Safety Tour Clark Metal

On Friday, October 4, 2013, two students from IUP’s Safety Sciences program, and members of Ladies of Safety and ASSE attended the community tour of Clark Metal Products in Blairsville, PA for their Manufacturing Day celebration. Clark Metal Products is a metal fabrication company that seeks to optimize the designs of their products for their customers while ensuring that quality remains high. The tour was broken into small groups that were led around the facility. Workers demonstrated their roles in the process and (cont’d next page)

Reminders and Tips:

- Students prepare for the career fair on October 10th and 11th
- Chicago Conference
- Keep an eye out for scholarships
- Look forward to new IUP Safety Apparel
11th Annual Allegheny Safety Conference

The 11th Annual Allegheny Regional Safety Conference was held on October 1, 2013 at the Frank J. Pasquerilla Conference Center in Johnstown, PA. This annual event is hosted by the Johnstown Area Regional Industries. A number of topics were presented at this conference, including: "The Impact of Safety and How Lives Can Be Changed Forever", "Work Site Wellness", "Safety Precautions for Drivers Commercial and Non-Commercial", "Emergency Response and Crime Prevention", the new "Global Harmonization Standard", and "How to Survive a School or Workplace Shooting" to name a few. Several IUP student section members of ASSE attended this event.

Learning About Emerging Hazards From an Insurer's Perspective

On Thursday September 12, Phillip O'Neill from Chubb Loss Control spoke at IUP's first ASSE meeting of the semester. Mr. O'Neill gave the attendees an unusual perspective, an insurer's perspective of safety and emerging hazards. The bulk of Mr. O'Neill's presentation was discussing silica and it's history. Although it is one of the oldest known occupational diseases, it is still an issue in the following industries: glassmaking, foundries, cement manufacturing, pottery and masonry, sandblasting, etc. Annually in the United States, 250 workers die and 1 million are exposed. Controls implemented to reduce exposure and deaths include substitution, dust suppressions, ventilation, good housekeeping, and respiratory protection. Contact Phillip O'Neill from Chubb Loss Control with any questions you have concerning safety from an insurer's perspective and emerging hazards. (785) 762-9578

Clark Metal Tour Continued

how one station impacts the other stations. As safety students, observations of the types of machine guarding and labeling systems were of interest. The laser cutters that cut designs and shapes out of metal were enclosed, and other machines, such as a dye press, required the use to a foot pedal for activation. Chemicals, paints, and other substances had fresh labels identifying their health hazard ratings. The tour guide also identified the ventilated booths that the workers used to paint and coat the metal products, as this was an engineering control that prevented the need for using respirators on the job.
IUP Safety, Health, and Environmental Sciences

Fire Protection and Prevention Class Visit the Fire Academy

On Friday, October 25th, Dr. Rhodes took her 311 Fire Protection and Prevention class to the Indiana County Fire Academy. This experiential learning activity consisted of three different stations: diesel fire extinguishment with dry chemical, type ABC, fire extinguishers, an introduction to Self-Contained Breathing Apparatus (SCBA) use and Personal Alert Safety Systems (PASS), and an introduction to various hose sizes and sprays utilized by local fire departments.

At the fire extinguishment station students were taught how to properly extinguish a diesel fuel fire with a dry chemical ABC type extinguisher. Students were told to approach the fire slowly and cautiously and to never turn their back to a fire.

At the SCBA station students learned about two types of personal compressed air breathing apparatuses: an older style with a waist-mounted regulator and a newer style with the regulator located within the mask immediately in front of the wearers mouth. Students were offered the opportunity to wear a SCBA. This allowed them to fully experience the discomfort and limitations of the system. To name a few: proper seal cannot be made if the wearer has facial hair, once exposed to fire the lenses can be difficult to see through, units are cumbersome and may elicit claustrophobic sentiments. Students were also introduced to the PASS devices that allow immobile firefighters to be located and rescued by their fellow firemen.

Finally, students learned about the various types of hoses that are used in a firefighting operation. These include booster hoses, supply hoses, attack hoses, and the small forestry hose.

Lt. Matt Deftola from USPHS

In mid October Matt Deftola, an Environmental Health Officer of the U.S. Public Health Service visited IUP to share his job responsibilities and to recruit potential candidates for internships as an Environmental Health Officer of the USPHS. These professionals serve in the several U.S. Public Health Service agencies providing basic environmental health services related to food, water, waste, areas of injury prevention, institutional environmental health, counterterrorism, industrial hygiene, health physics, and hazardous waste. An EHO has the opportunity to work for the following agencies: Centers for Disease Control and Prevention, Agency for Toxic Substances and Disease Registry, Food and Drug Administration, Health Resources and Services Administration, National Institute of Health, U.S. Coast Guard, National Park
USPHS Cont ‘d…

Service, etc. The specializations applicable to these agencies are the following: air and water pollution, emergency preparedness, hazardous material management, Industrial Hygiene, Occupational Safety, Radiological Health, Health Care Administration, Food and Drug Safety… the list continues. If any of these potential careers interest you, contact Lt. Matt Depto at deptolmar@mail.nih.gov or http://www.dep-psc.gov/VATS/

Chad Sicari Shares Knowledge on Networking and GHS

In the middle of November, graduate student Chad Sicari spoke at the ASSE IUP Student Chapter. Before highlighting the significance and the contents of the new hazard communication system, Mr. Sicari shared his knowledge and methods for success. He gave the students insight on popular websites that post entry level safety positions, including co-ops and internships; he spoke about networking and being your own best advocate. Moving on to the GHS, the most crucial point was the new required universal format for the safety data sheets, or formally known as material safety data sheets. Before this standardization, the MSDS could be formatted differently by each chemical manufacturer, as long as it contained the minimum requirements. Transportation placards for hazardous materials will also be adjusted so that they can easily be identified and interpreted by the general public. Contact Chad Sicari if you have any questions about networking or the GHS.

ASSE Members Travel to Chicago

On November 6th, members of the ASSE travelled to Chicago to attend the Future Safety Leaders of America Conference. This conference lasted two days and had a variety of professional speakers of safety sciences and engineering to present. The presentations included topics from professionalism and self-marketing to furthering education, opportunities, and certifications. Mechanical engineer, Dr. Mike North’s, presentation was based around failures building success; the takeaway was “do not be afraid to fail; it’s your future, don’t play it safe.” There were roundtables including business continuity, worth of internships, women in safety engineering, careers in government, ergonomics and lean manufacturing, benefits of bilingual career, etc.; at the end of each station, the professional would have 5 minutes to give insight, experience, and advice. Breakout sessions were organized for the second day, these included: mock interviews, resume critiques, and

Chicago Conference cont’d…

networking “the right way”. Elliot Laratonda, an attendee of the conference, stated that the most influential speaker was Dr. Julius Rhodes. Dr. Rhodes’s presentation, “Your Brand: Be it- Own it,” was on marketing yourself, creating an original brand of personality, rising above others, professionalism, and basic core values.

Silica Control Measures Presented by Noble Energy

Dave Renz and Donnie Murco from Noble Energy demonstrated their vacuum booth for removing fine particles of silica dust. The booth used forced air and a hepa filter to remove the silica from the workers.
ASSE Gives a Hand with a Local 8k and Fitness Challenge

Recently, the officers of the IUP Student Section of ASSE participated in and volunteered at the Cold Hands Warm Heart 8K/Uptown Throwdown Ultimate Fitness Challenge benefitting the Indiana Regional Medical Center’s Cardiac Center. The event featured an 8K Run/Walk as well as an indoor obstacle course spanning three floors and comprising of over twenty obstacles. Officers volunteered in the organization and planning for the event as well as construction of the obstacles and ultimately manning obstacles throughout the course to direct and or assist participants in negotiating them. Secretary Caroline Billon even participated in both the run and obstacle course.

The obstacles were all built from materials donated by various companies within the local Indiana community. The obstacles were also tested for safety and difficulty of completion prior to being okayed for the course. Vice-President Matt Merschbach was involved in the planning, design, construction, and placement of the obstacles throughout the course and was in charge of volunteers stationed throughout the course. President Jon Blair, and Treasurer Elliot Laratonda, were floor supervisors; their responsibilities included overseeing volunteers on the two main floors of the course and were also to oversee and assist at the major obstacles that were deemed the most difficult to navigate. Overall the event was a huge success that raised $4,500 for the IRMC Cardiac Center. Despite the cold weather, over 90 people participated in the 8K Run/Walk with 40 participants running the obstacle course which required completing the 8K run prior to entering the course. The officers were able to interact with the community outside of IUP and gained valuable experience that could be used towards events that could be hosted by the student section in the future.

Published Back Belt Research

Elliot Laratonda performed a research study concerning the misconception that back belts used for lifting weights at a gym. Can they allow the gym junkies to lift heavier weights? Do back belts reduce the chance of injury while lifting materials at work? Do back belts provide a false sense of security for heavy weight lifters? Find out the answer to these questions in next IUP ASSE Newsletter!
Eric Nelson: Apples to Apples

On Wednesday, February 18th, Professor Eric Nelson visited an ASSE meeting hosted in Johnson Hall. Mr. Nelson gave his presentation of Apples to Apples; this presentation was about comparing and analyzing multiple job offers. The concept Nelson conveyed was that there should be a lot more thought and scrutiny involved in accepting a job offer over another than the starting salary. The first job you have is of utmost importance; once you have a job, college, crimes, and convictions weight drop off. This means that the applicant is valued by experience, adaptation to diversity, soft skills, and adaptation to adversity. The foundation of an outstanding job offer consist of the following: salary, vehicle, retirement, medical, and location. Nelson’s first advice was to compare cost of living before becoming overwhelmed by the starting salary; after all, a salary of $40,000 may be a lot in Indiana, Pa, but in Washington D.C. you may just be getting by with the bare minimum. Mentioning the varying offers that may be provided in relation to vehicles, Nelson strongly warned against vehicle allotment. A few last minutes of the presentation were spent reviewing retirement and health care plans of which companies may provide their employees. His ending note was... Location, location, location; it’s all about location. Any questions, contact Eric Nelson at e.r.nelson@iup.edu

Top University Violations of 2013

Dr. Tracey Cekada and John Blair conducted a review of the 2013 OSHA violations on academic campuses. The purpose of this study was to identify the patterns and types of violations that are occurring within colleges and university environments. The most common violations in academia included the following: occupational exposure to hazardous chemicals in laboratories, hazard communication, air contaminants, formaldehyde, bloodborne pathogens, lockout/tag out, eye and face protection, and respiratory protection. The most severe incidents that occurred on campuses occurred in laboratories. Since 2001, the Chemical Safety Board has gathered information on 120 different university laboratory incidents that resulted in 87 evacuations, 96 injuries, and three deaths.” (US CSB Budget Justification)

Tattoo Machine Vibration Concerns

ASSE Board Member Caroline Billon is gathering information to find a correlation between the weight of tattoo machines and the frequency of the vibration. Tattoo machines with a higher vibration frequency in return have a higher potential to cause adverse health effects in the arms and hands of the tattoo artist. Using the knowledge learned in Dr. Wanda Minnick’s Ergonomic Lab (347), Caroline has visited local tattoo parlors and gathered vibration frequency readings and the weight of the machines that are hooked up and ready to go. Heavier metals such as bronze and steel are suspected to have higher frequencies than frames made from aluminum and lighter metals and plastics. Stay tuned to the next issue for the results from this research project.
A Presentation on Loss Control

On Thursday, March 27th, Francis Sehn CSP, a VP of Risk Control for Willis Co. visited Johnson Hall to discuss a variety of topics. Francis began the presentation talking about ANSI/ASSE Z590.2-2003 - outlines scope and function of the safety profession. He presented on anticipation, recognition and identification of hazards in existing and future systems, equipment, products, software, facilities, processes, operations, procedures, etc. He then moved on to information about developing controls by understanding management goals and priorities, talk in business terms, how controls will save money companies money in the long run. He highlighted the significance for a safety professional to prove their worth (we are a cost). As safety professionals it is our duty to advise others (management more than employees directly, and apply a level of accountability, responsibility, etc. As a more general topic, Sehn explained the difference between a loss control professional and a safety professional. The skill set of a loss control professional involves the following: strategic thinking, industry expertise inside insurance, customized and creative solutions, technical skills, communication, and motivation. On the other hand a safety professional must possess the following: interpersonal skills, organizational behavior, ability to assess hazards, thirst for knowledge/continuing education, and networking.

Sehn finished the presentation by listing driving factors for safety excellence: passion for safety, thoughtful leaders who develop a plan focused on safety excellence, courage to execute plans despite of obstacles, personal leadership, aligning safety with business goals, and finally communication of buy-in, and empowerment to all employees.

Amerisafe Consulting and Safety Services Visits Johnson Hall

Starting as a small town Pennsylvanian safety consulting company, Amerisafe has grown from its early stages of 3 safety professionals to 60 and they anticipate doubling their workforce in the next two years. With their CEO and majority of their VPs and project managers as IUP grads, the company has remained loyal to IUP by hiring between 15-20 graduates from the department in the past two years. For those who wish to stay local, Amerisafe offers plenty of job opportunities in the geographical region of Appalachia and Eastern Pa such as West Chester and Philadelphia. Their intention with interns is to shadow them into as many industries as possible so that the intern has the ability to further define their interests and think about developing potential specializations or focused interests. Although these intentions may be difficult with the stringent curriculum of IUP SHE Applied Science Department, most interns are still able to get a feel for Tough sometimes due to refineries, paper mills, construction, steel mills, etc. As a consultant on these work sites, responsibilities of the safety professional are diverse and the biggest challenge can be knowing is to what that site wants from you- how much work they want you to put in. With such adversity on a day to day basis, the consultant/intern must be like a chameleon, able to adapt to changing work sites and responsibilities.
Student Section Goals and Objectives
ASSE IUP Student Section Long-Range Goals and Objectives  
September 2013 to March 30, 2014

1) Create a marketing strategy to recruit students at the high school level. Provide some focus to undeclared undergraduate students as well.

2) Continue to get more hands-on involvement by the IUP Student Section in safety-related educational activities. We plan to accomplish this by:

   a) Getting students involved in the Virtual Classroom @ ASSE as a wonderful learning tool.
   b) Collaborating with W. PA Chapter of ASSE and Slippery Rock University (SRU) and begin development of the 2nd annual Professional Development Conference for students of both IUP and SRU and local professionals. Plans include possibly setting up an endowment fund for ASSE scholarships.
   c) Encouraging at least 2-3 members to attend a Western PA Chapter meeting each month. The students will then report back to the IUP Student Section on what they learned from the meeting.
   d) Continuing to identify at least two (2) local safety-related conferences and encouraging participation by IUP Student Section members.
   e) Identifying at least one or two training classes/seminars/online sessions, etc. each year and encouraging IUP Student Section members to attend these training seminars in order to enhance their knowledge base.
   f) Encourage more “tours” as part of our monthly IUP Student Section meetings. This will allow students to have more active involvement in the safety field and see safety-related issues first hand.
   g) Continuing to encourage IUP Student Section Board Members and other “active” members of the IUP Student Section to participate in a national conference.
   h) Ensuring at least 2 ASSE student chapter board members attend the ASSE Leadership Conference

3) Encourage student research activities.

   This will be accomplished by working with the Faculty Advisor and identifying a “need”. This will be discussed during the end of the Spring semester and the need will be further researched over the summer. Upon start-up of school in the Fall, a team will be established to carry out the research.

4) Continue to increase IUP Student Section involvement in community and campus related activities.

   Our goal is to get involved in at least one campus and one community effort each year.
<table>
<thead>
<tr>
<th>Goal</th>
<th>Achieved?</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increase student membership in ASSP clubs and sections.</td>
<td>Yes</td>
<td>Increase student awareness of the ASSP Student Section by attending at least 2 meetings with our ASSP Parent Chapter and increasing student participation in more professional events. Marking availability on campus training classes related to the safety field that may increase the student's knowledge and make them more interested in pursuing a career in safety. National conference: Encouraging membership of the ASSP Student Section to participate in a &quot;make it&quot; event.</td>
</tr>
<tr>
<td>Educating SAE on the importance of SAE and its role in the industry.</td>
<td>Yes</td>
<td>Encouraging participation by SAE Section members. Identify at least two local safety-related conferences and developing for SAE Student Section members.</td>
</tr>
<tr>
<td>Develop a program for SAE Student Section members.</td>
<td>Yes</td>
<td>Develop a program for SAE Student Section members.</td>
</tr>
<tr>
<td>Collecting information on what workshops were attended.</td>
<td>Yes</td>
<td>Collecting information on what workshops were attended.</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td></td>
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<tr>
<td>Increase student participation in ASSP activities.</td>
<td>In progress</td>
<td>Increase student participation in ASSP activities.</td>
</tr>
<tr>
<td>Student involvement in ASSP activities.</td>
<td>Yes</td>
<td>Student involvement in ASSP activities.</td>
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<tr>
<td>Recruitment</td>
<td></td>
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<tr>
<td>Create a marketing strategy to recruit students at the high-school</td>
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<td>ASSP 2013 Student Section Goals and Objectives</td>
<td></td>
<td></td>
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<tr>
<td>September 2013–April 2014</td>
<td></td>
<td></td>
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<tr>
<td>Goal met.</td>
<td>Yes</td>
<td>Related activities.</td>
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<tr>
<td>Conduct at least two research activities by working with the faculty advisor.</td>
<td>Yes</td>
<td>Get ASSÊ involved in at least two community and/or campus activities.</td>
</tr>
<tr>
<td>Conduct an annual chapter board meeting</td>
<td>Yes</td>
<td>Encourage more “tour” as part of our monthly IUP Student and other networking events.</td>
</tr>
<tr>
<td>Meet with faculty on campus</td>
<td>Yes</td>
<td>Finding ways to support our Parent Chapter at conferences, expos, etc.</td>
</tr>
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</table>
Misc. Support Documentation
Braving cold temperatures, 78 people bundled up to participate in the second annual Cold Hands, Warm Heart 8K walk/run organized by UpTown Fitness Feb. 8 in Indiana. The race raised about $4,500 to benefit Indiana Regional Medical Center’s Center for Cardiac and Vascular Care.

First-place finisher Kory Hubbard of Indiana leads the pack with a mile to go during the second annual Cold Hands, Warm Heart 8K walk/run.

Bethany Cessna of Indiana keeps pace during the race.

Caroline Billon of Indiana flips a tire six times at the end of an obstacle course inside UpTown Fitness that was an optional added challenge following the Cold Hands, Warm Heart 8K walk/run. Billon finished second in the obstacle course.

Civil Air Patrol members prep for outdoor operations in snowy season

BY PAMELA SAGELY

Most people have been huddling indoors while frosty weather fronts have been moving through the area. But members of the Civil Air Patrol recently braved a wintry mix of cold, snow and rain during two days of training at Camp Seph Mack near Penn Run.

Cadets ages 12 to 21 from throughout Pennsylvania and other states headed to the local Boy Scout camp for the annual training program known as Pennsylvania Wing Winter School West.

The cadets learned how to safely survive winter conditions during an overnight camp in the woods. They also learned how to conduct cold-weather searches for downed or missing persons.

“We do the training in February because it provides the opportunity to practice and get comfortable with the equipment and skills in extreme conditions,” said 16-year-old Cadet Major Grant Imbaltite. “Our goal is to get them ready to perform operations.”

Air National Guard cadets from the Pennsylvania Wing Winter School West attended Civil Air Patrol training at Camp Seph Mack near Penn Run.
LIGHTNING CAUSES FIRE

INDIANA FIREFIGHTERS responded to a fire at XTO Energy along Airport Road in White Township Wednesday afternoon. The fire, which started after 4 p.m., was caused by a lightning strike and resulted in about $5,000 in damage, according to First Assistant Chief Scott Schuler.