### ALPHA PI MU OUTSTANDING CHAPTER REPORT

| Submitted by the | Chapter |
|------------------|---------|
|------------------|---------|

Submitted for the year April 1, to March 31,

This is the official form to submit for those chapters who wish to compete in the optional National Outstanding Chapter competition. Additional materials or an alternate application form will not be considered. This report should be <u>emailed</u> to the Alpha Pi Mu National Office no later than April 15. The email address is <u>office@alphapimu.com</u>.

EACH CHAPTER IS **REQUIRED** TO SUBMIT THE STANDARD ANNUAL REPORT FORM, REGARDLESS OF WHETHER OR NOT THIS OPTIONAL OUTSTANDING CHAPTER REPORT IS SUBMITTED. THE STANDARD ANNUAL REPORT FORM IS AVAILABLE ON THE NATIONAL WEBSITE AT <u>http://www.alphapimu.com/</u>.

The national outstanding chapter competition is based on an evaluation of the chapter's activities in three categories:

- 1. Chapter and University Activities (200 points)
- 2. Betterment of the Field of Industrial Engineering (100 points)
- 3. Betterment of the National Society (75 points)

Each documented activity may only be included in one of the three categories and the judges will assign a score using a sliding scale from zero to the maximum indicated for each category.

The first place winner in the national outstanding chapter competition will receive a large engraved plaque and smaller engraved plaques will be awarded for second through fifth place. All other competing chapters will receive an honorable mention certificate.

Dissemination Notice: The first and second place reports will be displayed on the Alpha Pi Mu website.

#### I. Chapter and University Activities (200 points)

This category includes activities that improve, advance or promote the development of the university, the local chapter and its students. Examples include, but are not limited to, local chapter meetings, pledge activities, initiation activities, administration of faculty/course evaluations, student mentoring activities, academic exhibits or projects and university service projects. Each activity (text and pictures) must be documented in a copy of the following one page form, an activity cannot be documented more than once each semester/quarter (a maximum of twice per year) and a maximum of twenty activities may be submitted.

| Chapter and University Activity |                               |
|---------------------------------|-------------------------------|
| Name of activity:               | APM Bowling Night             |
| Date(s) of activity:            | April 13 <sup>th</sup> , 2017 |
| Number of members involved:     | 12                            |
| Number of students impacted:    | 36                            |
| Documentation of activity:      |                               |

The Arkansas Alpha chapter hosted a social event at Ozark Bowling Lanes for the University of Arkansas Industrial Engineering Department. Both members and non-members, students, faculty, and staff were invited to participate in a night of free bowling. The event provided a great opportunity for students and faculty/staff to build relationships and compete for fun prizes. Participants bowled for two hours and were provided pizza and soft drinks. IT staff member, Matt Sparks took the trophy for best faculty/staff bowler, upsetting Dr. Manuel Rossetti, and Chase Kilty, won the T-shirt prize for best score posted by a student. The Alpha Pi Mu bowling event, a tradition for over 10 years, is greatly anticipated each year and, once

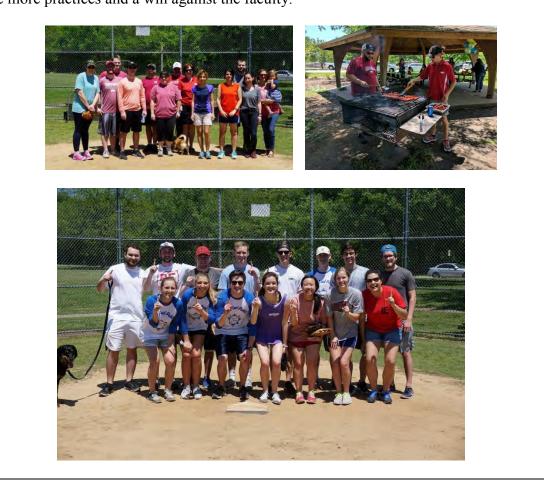


| Chapter and University Activities |   |
|-----------------------------------|---|
| Name of activity:                 | Faculty and Staff Appreciation Luncheon |
| Date(s) of activity:              | May 4 <sup>th</sup> , 2017              |
| Number of members involved:       | 14                                      |
| Number of students impacted:      | 30                                      |
|                                   |   |

The Arkansas Alpha chapter coordinated with IISE and INFORMS to provide our faculty and staff with an appreciation luncheon. We catered in food for them to enjoy for lunch in the Imhoff Lounge. Alpha Pi Mu played a major role in facilitating and delivering the faculty and staff thank you notes written by students. It was encouraging to see students writing to their favorite professors and it was a joy to reflect on all the faculty and staff have done for us. We especially appreciate Dr. Sullivan and Mrs. Carrie Pennington who support us as Alpha Pi Mu officers.

| Chapter and University Activities |                                 |
|-----------------------------------|---------------------------------|
| Name of activity:                 | Student / Faculty Softball Game |
| Date(s) of activity:              | May 6 <sup>th</sup> , 2017      |
| Number of members involved:       | 8                               |
| Number of students impacted:      | 15                              |
| Documentation of activity:        |                                 |

The Arkansas Alpha chapter participates with IISE and INFORMS in the Student / Faculty Softball Game each year, a loved tradition and a great way to end the year. It is always a fun and friendly game, and is a nice break from the classroom. Our student goals for next year include more practices and a win against the faculty.



| Chapter and University Activities |                          |
|-----------------------------------|--------------------------|
| Name of activity:                 | Media Chair Creation     |
| Date(s) of activity:              | August 2017 – April 2018 |
| Number of members involved:       | 1                        |
| Number of students impacted:      | 250                      |
| Documentation of activity:        |                          |

Throughout the year, our chapter has worked hard to create more graphics for our events in an effort to better advertise and increase attendance, participation, and awareness. Thanks to our new position of Media Chair, Alli Morast has done a fantastic job developing eye catching images that will attract the minds of IE students. This has enabled us to better communicate with our target audience and attract more students/faculty/staff to our events.



| Chapter and University Activities |                          |
|-----------------------------------|--------------------------|
| Name of activity:                 | Program Chair Creation   |
| Date(s) of activity:              | August 2017 – April 2018 |
| Number of members involved:       | 1                        |
| Number of students impacted:      | 52                       |
| Documentation of activity:        |                          |

This year, our chapter wanted to further develop our Macro Micro mentorship program which began last school year. We felt the best way to do this was by creating a new officer position to be responsible for the growth and success of the program. We have learned a lot about what works and doesn't work this year with our first Program Chair, Matt Millis, and we are excited for another year of new and exciting developments. We continue to see the potential this program has and believe this officer position will prove necessary for the program's success and also prove to benefit the department.

# Brittany Watts & Emily Matlock



Brittany and Emily paused from their busy schedules to chit chat over some much needed Starbucks coffee. "I've loved the opportunity to connect with other IEs in the department and learn about their hopes for the future through the Micro Macro program."

~ Brittany

"It's been so fun getting to meet the upperclassmen in IE in addition to my Macro Brittany! It's so nice to know that I can go to them to get their advice."

~ Emily

| Chapter and University Activities |                         |
|-----------------------------------|-------------------------|
| Name of activity:                 | Locker Rental           |
| Date(s) of activity:              | April 2017 – March 2018 |
| Number of members involved:       | 2                       |
| Number of students impacted:      | 9                       |
| Documentation of activity:        |                         |

The Arkansas Alpha chapter offers the purchase of lockers for not just Alpha Pi Mu members, but for all students in the Industrial Engineering Department. For \$15 per year or \$10 per semester, any student within the IE department can utilize lockers conveniently located on the fourth floor of Bell Engineering, the same floor as the IE facilities. Users appreciate the accessibility and ease of storage for their school supplies.

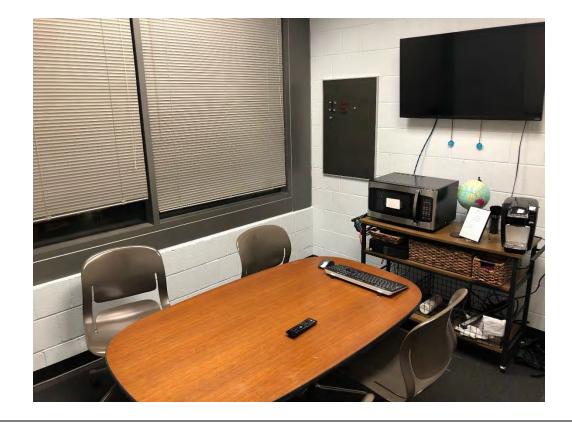


Email < Anna Hudgeons - adhudgeo@uark.edu >



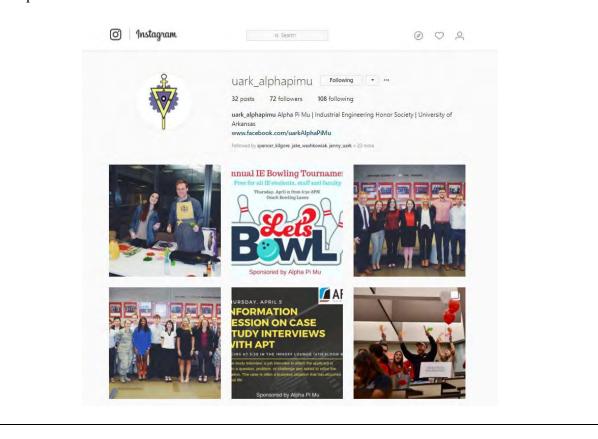
| Chapter and University Activities |                            |
|-----------------------------------|----------------------------|
| Name of activity:                 | Student Study Space Upkeep |
| Date(s) of activity:              | April 2017 – March 2018    |
| Number of members involved:       | 8                          |
| Number of students impacted:      | 100                        |
| Documentation of activity:        |                            |

The Arkansas Alpha chapter last year renovated an old, unused closet to serve students. It now includes a table and chairs, a computer with HDMI cord, a microwave, and Keurig. Many students have used the room for phone interviews and group meetings. It is for industrial engineering use only and has received an overwhelmingly positive response from both students and faculty. Alpha Pi Mu continues to serve this room by keeping it clean. The officers took on the responsibility of checking the room and cleaning when needed, as well as replenishing napkins and coffee items when necessary.



| Chapter and University Activities |                         |
|-----------------------------------|-------------------------|
| Name of activity:                 | Instagram Account       |
| Date(s) of activity:              | April 2017 – March 2018 |
| Number of members involved:       | 2                       |
| Number of students impacted:      | 72                      |
| Documentation of activity:        |                         |

Out Media Chair, Alli Morast, has done an outstanding job keeping up with our Instagram account. This year, we have posted much more often and been more intentional about telling Alpha Pi Mu members to follow us. We even tagged all our Spring Initiates in the photo from initiation and followed them, hoping they would follow the account and be up to date on all things Arkansas Alpha. The approach is working very well and increasing awareness and participation.



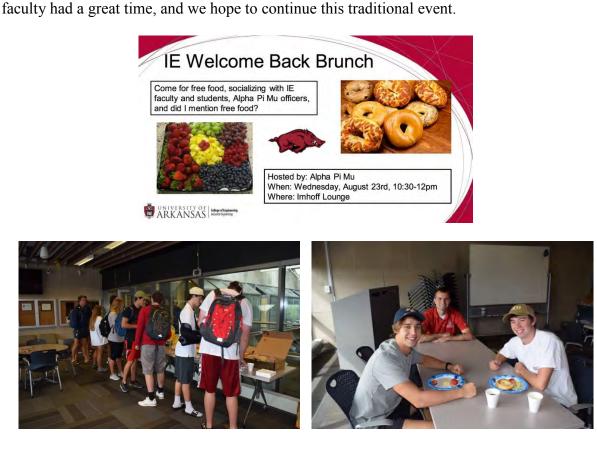
| Chapter and University Activities |                         |
|-----------------------------------|-------------------------|
| Name of activity:                 | Facebook Account        |
| Date(s) of activity:              | April 2017 – March 2018 |
| Number of members involved:       | 2                       |
| Number of students impacted:      | 81                      |
| Documentation of activity:        |                         |

Out Media Chair, Alli Morast, has done an outstanding job keeping up with our Facebook account as well. This year, we have posted much more often and provided captions explaining what we are doing and what we are about. This is especially useful because The University of Arkansas Industrial Engineering Facebook page controlled by the department shares all of our activity posts! This reaches those who are not on Instagram and helps not only students, but alumni be informed of what Arkansas Alpha is doing.



| Chapter and University Activities |                                |
|-----------------------------------|--------------------------------|
| Name of activity:                 | Welcome Back Brunch            |
| Date(s) of activity:              | August 23 <sup>rd</sup> , 2017 |
| Number of members involved:       | 20                             |
| Number of students impacted:      | 75                             |
| Documentation of activity:        |                                |

To start off the fall semester, the Arkansas Alpha chapter hosted the annual "Welcome Back Brunch," which is for all industrial engineering students and faculty/staff to enjoy. The event enables IE students to connect with peers and faculty early on and adds to the IE community experience. It also allows for IE students to meet most, if not all of the Arkansas Alpha chapter's officers, raising awareness of our society. The event is especially important for meeting new sophomore IE students, in order to help them feel more comfortable in the department and to inform them of Alpha Pi Mu. This year we held a prize giveaway, in which 23 students entered, and four students received various prizes. Overall, both students and



| Chapter and University Activities |                                   |
|-----------------------------------|-----------------------------------|
| Name of activity:                 | Macro/Micro Kickoff               |
| Date(s) of activity:              | September 28 <sup>th</sup> , 2017 |
| Number of members involved:       | 3                                 |
| Number of students impacted:      | 40                                |
| Decumentation of activity         |                                   |

To start off the Macro/Micro Program, the Arkansas Alpha chapter hosted the "Kickoff", which is for all industrial engineering students who are interested in the mentoring program. The event enables IE students to connect with peers and form relationships with both older and younger members of the department. At this event, we served ice cream and ice cream floats. We played games to get to know one another better. All participants enjoyed the evening and established relationships to launch the pairs at the next Macro/Micro event, Reveal.

As a reminder, the Arkansas Alpha chapter started a "Macro/Micro" mentorship program in 2016 to pair juniors and seniors (Macros) with incoming sophomore Industrial Engineering students (Micros) to help support them with their transition into the department. This program gives juniors and seniors a great opportunity to give back and invest in younger IE students and help them navigate the IE program successfully. This program also fosters relationships across academic classes and among peers.

| Chapter and University Activities |                                |
|-----------------------------------|--------------------------------|
| Name of activity:                 | Macro/Micro Reveal             |
| Date(s) of activity:              | October 6 <sup>th</sup> , 2017 |
| Number of members involved:       | 6                              |
| Number of students impacted:      | 40                             |
| Documentation of activity:        |                                |

To follow up the Kickoff, we hosted Reveal, where the pairs of Macros and Micros were established. At this event, the 17 pairs had to pop a balloon with their name on it, read the name of one half of an iconic duo, then find the other half of the duo. The pairs then had an opportunity to get to know one another and plan a time to meet up in the future outside of the Bell Engineering building. The participants all had a great time, and the Macros are excited for the opportunity to share knowledge and experience with younger members of the department.

| Chapter and University Activities |                                |
|-----------------------------------|--------------------------------|
| Name of activity:                 | Lake Fayetteville Cleanup      |
| Date(s) of activity:              | October 7 <sup>th</sup> , 2017 |
| Number of members involved:       | 21                             |
| Number of students impacted:      | 21                             |
| Decumentation of activity         |                                |

Our chapter enjoys getting involved with the community especially when it comes to volunteering locally. The Lake Fayetteville Cleanup was completed by the Arkansas Alpha chapter in addition to several other University and Non-University organizations. Members and Fall 2017 Initiates volunteered together to pick up trash and recycle in the park and trail areas surrounding Lake Fayetteville. We helped remove nearly 1 ton of litter from the watershed! Not only did this event help to benefit our community, but it also gave our new initiates the chance to bond with current members and get to know their fellow initiates. Volunteering as a group also helps members and initiates alike remember the importance of service and giving back, which are key values of Alpha Pi Mu.



| Chapter and University Activities |                                 |
|-----------------------------------|---------------------------------|
| Name of activity:                 | Staff Appreciation Day          |
| Date(s) of activity:              | October 11 <sup>th</sup> , 2017 |
| Number of members involved:       | 8                               |
| Number of students impacted:      | 16                              |
| <b>Documentation of activity:</b> |                                 |

In honor of all the industrial engineering staff at the University of Arkansas do for the faculty and students, Alpha Pi Mu decided to contribute to Staff Appreciation Week by dedicating a day to Alpha Pi Mu sponsored gifts. We delivered cookies from a local bakery with messages of gratitude on them as well as handwritten letters of appreciation from the industrial engineering students. Our chapter recognizes the importance of our staff, and we truly value them!



| Chapter and University Activities |   |
|-----------------------------------|---|
| Name of activity:                 | Homecoming Food Drive   |
| Date(s) of activity:              | October 30 <sup>th</sup> , 2017 – November 3 <sup>rd</sup> , 2017 |
| Number of members involved:       | 37  |
| Number of students impacted:      | 252   |
|                                   |   |

The Arkansas Alpha chapter had the privilege of hosting a food drive during the weeks of homecoming to support our local food bank. The drive was set up as a competition among three groups as pictured below (Faculty & Staff, Juniors & Grads, and Sophomore & Seniors). These groups competed to see who could bring the most of the requested food items. By teaming up the different categories, a sense of community was brought to the department. The spirit of competition aided in motivating more people to donate. Overall, this event was a very fun act of service that provided unity to the industrial engineering department. A total of 78lbs of food was donated from our department!



| Chapter and University Activities |                                 |
|-----------------------------------|---------------------------------|
| Name of activity:                 | Snowball Party                  |
| Date(s) of activity:              | November 6 <sup>th</sup> , 2017 |
| Number of members involved:       | 8                               |
| Number of students impacted:      | 8                               |
| Documentation of activity:        |                                 |

After the food collected during the Homecoming Food Drive was weighed, it was announced that the Faculty & Staff had won the competition! As advertised, Alpha Pi Mu hosted a "Snowball Party" for the winning group. Hot chocolate and ice cream were served to demonstrate our appreciation to the winning team for their significant contributions. Our chapter hopes to continue this tradition in the future as it was a fun way to get the department involved in an act of service and involved in Homecoming.



| Chapter and University Activities |                                 |
|-----------------------------------|---------------------------------|
| Name of activity:                 | White Elephant Re-Gift Exchange |
| Date(s) of activity:              | January 17 <sup>th</sup> , 2018 |
| Number of members involved:       | 10                              |
| Number of students impacted:      | 14                              |
| Documentation of activity:        |                                 |

To start off the spring semester, the Arkansas Alpha chapter hosted the "White Elephant Re-Gift Exchange". All attendees brought an unwanted gift received during the winter holiday to exchange with other students. Gifts were traded in a "white elephant" fashion, as students took turns opening and stealing gifts as desired! This was a great event to welcome returning students back to the spring semester as well as meet transfer students who were new to the department. We all had a great time and look forward to continuing this event. It was suggested by our amazing staff supporter, Carrie Pennington.



| Chapter and University Activities |                                  |
|-----------------------------------|----------------------------------|
| Name of activity:                 | Valentine's Day Party            |
| Date(s) of activity:              | February 14 <sup>th</sup> , 2018 |
| Number of members involved:       | 30                               |
| Number of students impacted:      | 100                              |
| Documentation of activity:        |                                  |

This year, the Arkansas Alpha chapter decided to hold a new event for Valentine's Day. On February 13th, we set up decorations for a Valentine's Day Party to be held throughout the next day when students could write thank you notes to their professors, hang out with other students, and eat candy and treats. The party was held in the Industrial Engineering Imhoff Lounge where many students spend their time between classes. This led to a great turnout because it was very convenient for students to come and enjoy. There were streamers hanging in the window, candy and cookies, paper and markers, and one small bag for each professor so students could leave their thank you notes and all were appropriate. The faculty responded positively, some commenting it "made their day".



| Chapter and University Activities |                                  |
|-----------------------------------|----------------------------------|
| Name of activity:                 | Engine Week Cereal Bar           |
| Date(s) of activity:              | February 22 <sup>nd</sup> , 2018 |
| Number of members involved:       | 15                               |
| Number of students impacted:      | 60                               |
| Documentation of activity:        | · · · ·                          |

The Arkansas Alpha chapter hosted an event during Engine Week. Engine Week is a week when all engineering RSOs host an event to reach out to all students. The aim is for these events to be casual so more students feel comfortable and welcome coming to hear about different engineering majors and organizations. For our event, we decided to have a cereal bar. We provided several different types of cereal. It was a casual walk-through event where officers stood around and talked with students about Alpha Pi Mu and how students can be involved (for those that attended who are industrial engineering students). We had a great turnout for the event and hope to continue our involvement with Engine Week in the coming years!







| Chapter and University Activities |                               |
|-----------------------------------|-------------------------------|
| Name of activity:                 | Hogs United Games (HUG)       |
| Date(s) of activity:              | March 10 <sup>th</sup> , 2018 |
| Number of members involved:       | 15                            |
| Number of students impacted:      | 200                           |
| Documentation of activity:        |                               |

For the 2<sup>nd</sup> annual Hogs United Games (HUG) hosted by the Volunteer Action Center at the University of Arkansas, Alpha Pi Mu Spring 2018 initiates volunteered to be "Fans in the Stands" for the gold team. HUG is an event partnered with the Special Olympics and gives members of the local community with special needs an opportunity to come play, cheer, and win metals. The four teams played basketball and volleyball. Alpha Pi Mu registered to cheer on the Gold team, to honor our colors, and even made shirts that said GO GOLD. It was a great time, full of excitement and cheer.

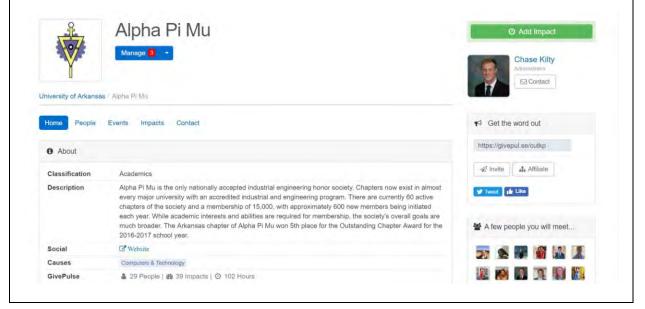


**II.** Betterment of the Field of Industrial Engineering (100 points)

This category includes any chapter project or activity directed toward the betterment of the field of Industrial Engineering. Examples include, but are not limited to, student member publications in professional or technical journals, chapter recruitment of potential industrial engineering students and chapter community public relations projects. Each activity (text and pictures) must be documented in a copy of the following one page form, an activity cannot be documented more than once each semester/quarter (a maximum of twice per year) and a maximum of ten activities may be submitted.

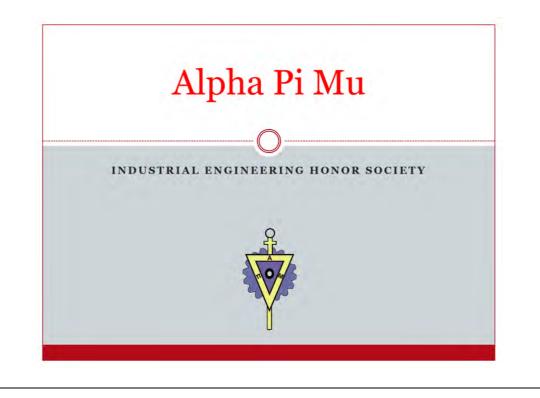
| Betterment of the Field of Industrial Engineering |                            |
|---|----------------------------|
| Name of activity:                                 | GivePulse Account Creation |
| Date(s) of activity:                              | Augusts 2017 – March 2018  |
| Number of members involved:                       | 3                          |
| Number of students impacted:                      | 40                         |
| Documentation of activity:                        |                            |

Out Social Chiar, Chase Kilty, created a GivePulse account and page for the Arkansas Alpha chapter. This is a site the University of Arkansas pays for which allows groups and individuals in the community to log their service hours. It is also a platform to locate service opportunities within the community and for others in the community to find Alpha Pi Mu and learn about what industrial engineers are all about, helping others! We direct our members to this page if they wish to find volunteer opportunities in addition to our Alpha Pi Mu group volunteer opportunities. The site also makes it easy for Chase to see how our members are serving the community and ensuring they are completing the required number of hours prior to initiation.



| Betterment of the Field of Industrial Engineering |                                  |
|---|----------------------------------|
| Name of activity:                                 | Presentation to New IE Students  |
| Date(s) of activity:                              | September 8 <sup>th</sup> , 2017 |
| Number of members involved:                       | 4                                |
| Number of students impacted:                      | 60                               |
|   |                                  |

Every sophomore industrial engineering student at the University of Arkansas is required to take a class called Industrial Engineering Seminar, where they learn more about the department, the professors, and the possibilities of research and involvement. Alpha Pi Mu members volunteer each year to present to these new IE students to share with them about Alpha Pi Mu. By introducing Alpha Pi Mu to new IE students, we hope to increase awareness, interest, and membership of Alpha Pi Mu. We feel this also benefits the new students by giving them an outlet to plug into to meet other IE students and to connect the department across the different classes. This also leads to the sophomore students being able to ask upperclassmen about classwork, internship and co-op opportunities, as well as research. We plan to continue this tradition in the coming years.



| Betterment of the Field of Industrial Engineering |                                   |
|---|-----------------------------------|
| Name of activity:                                 | Global Studies Event              |
| Date(s) of activity:                              | September 21 <sup>st</sup> , 2017 |
| Number of members involved:                       | 10                                |
| Number of students impacted:                      | 21                                |
| Documentation of activity:                        |                                   |

The Arkansas Alpha chapter worked with the Industrial Engineering Department at the to put on the Global Studies Event. This event was created to educate and encourage other industrial engineering students to study abroad. Four industrial engineering students presented about their study abroad experiences, including two officers, discussing topics such as how they chose their program and what kind of scholarships and financial aid they received. Of all the majors, engineering tends to have fewer study abroad participants, so by sharing personal study abroad experience with other engineering students, we hope to inspire and support more engineers participating in study abroad activities.



| Betterment of the Field of Industrial Engineering |   |
|---|---|
| Name of activity:                                 | Industrial Engineering Involvement Fair |
| Date(s) of activity:                              | November 8 <sup>th</sup> , 2017         |
| Number of members involved:                       | 11                                      |
| Number of students impacted:                      | 30                                      |
| Documentation of activity:                        |   |

The Arkansas Alpha chapter hosted an involvement fair for industrial engineering students, in which students would get the chance to speak with their peers who are involved or have participated in various industrial engineering courses, internships, research, campus-based clubs, and study abroad trips. This event was held in an attempt to encourage industrial engineering students to seek extracurricular involvement and to consider all of the opportunities that they have.



| Betterment of the Field of Industrial Engineering |  |
|---|--|
| Name of activity:                                 | Industrial Engineering Dept. Holiday Photo |
| Date(s) of activity:                              | November 29 <sup>th</sup> , 2017           |
| Number of members involved:                       | 10   |
| Number of students impacted:                      | 250  |
| Documentation of activity:                        |  |

To provide some fun and holiday cheer to the industrial engineering department at the University of Arkansas, our chapter hosted a holiday photo opportunity for all industrial engineering students, faculty, and staff. One of Fayetteville's most popular spots in the winter months is the Fayetteville Square in downtown Fayetteville. This is because of the iconic lights that decorate the Square each year. Our chapter was happy to be able to bring people together to celebrate the holiday season with a commemorative photo which was turned into a holiday card and emailed to the department.





| Betterment of the Field of Industrial Engineering |                                 |
|---|---------------------------------|
| Name of activity:                                 | Seniors of Significance         |
| Date(s) of activity:                              | January 17 <sup>th</sup> , 2018 |
| Number of members involved:                       | 2                               |
| Number of students impacted:                      | Many                            |
| Documentation of activity:                        |                                 |

The Arkansas Alumni Association honored its fourth class of Seniors of Significance during a reception at the Janelle Y. Hembree Alumni House on Dec. 1. A total of 71 graduating seniors, commemorating the university's founding date of 1871, were recognized. During the reception, the Seniors of Significance received a special gold honor cord to wear during graduation. The 71 students were selected from more than 600 nominations and represent each University of Arkansas undergraduate academic college. These Seniors of Significance were selected based on their academic achievements, leadership skills and extracurricular campus and/or community activities.

Two of these seniors were Alpha Pi Mu officers: President, Grace McGee (right), and Vice President, Rachel Holmer (left).



| Betterment of the Field of Industrial Engineering |                              |
|---|------------------------------|
| Name of activity:                                 | Engineering Decision Day     |
| Date(s) of activity:                              | March 2 <sup>nd</sup> , 2018 |
| Number of members involved:                       | 5                            |
| Number of students impacted:                      | 80                           |
| Documentation of activity:                        |                              |

Each spring, the students in the Freshman Engineering Program announce to their general engineering classmates and many visitors, what their engineering discipline will be. The representatives from industrial engineering were no doubt the most excited and spirited the whole day, from 8AM to 5PM. Alpha Pi Mu officers played a major role in that. After cheering for each student who declared industrial engineering, the officers had the opportunity to introduce them to Alpha Pi Mu and talk about the other student organizations as well as the great friendships that from within the department.





| Betterment of the Field of Industrial Engineering |  |
|---|--|
| Name of activity:                                 | Industrial Engineering Paper Acceptance into |
|   | the Annual IISE 2018 conference proceedings  |
| Date(s) of activity:                              | March 7 <sup>th</sup> , 2018                 |
| Number of members involved:                       | 1  |
| Number of students impacted:                      | Potentially many for years to come           |
| Documentation of activity:                        |  |

Tony (Anthony) Woods, Arkansas Alpha's current secretary, finished off his honors thesis work by submitting his research paper to the annual IISE 2018 conference in Orlando, Florida. His paper was accepted, and is being published in the IISE journal of the conference proceedings. His research, which developed a new methodology and tool to ergonomically evaluate industrial spraying tasks and use this analysis to partially justify automation, will potentially impact many students and professionals for years to come.

Proceedings of the 2018 Industrial and Systems Engineering Conference K. Barker, D. Berry, C. Rainwater, eds.

### Developing an Ergonomic Model and Automation Justification for Spraying Operations

Abstract ID: 1415

Anthony Woods & Harry A. Pierson University of Arkansas Fayetteville, AR

Abstract



| Betterment of the Field of Industrial Engineering |                                   |
|---|-----------------------------------|
| Name of activity:                                 | Senior of the Year: Rachel Holmer |
| Date(s) of activity:                              | March 31 <sup>st</sup> , 2018     |
| Number of members involved:                       | 1                                 |
| Number of students impacted:                      | 600+                              |
| Documentation of activity:                        |                                   |

The Arkansas Alpha chapter's very own Vice President, Rachel Holmer, not only won the Senior of the Year award in Industrial Engineering, but was also selected by the College of Engineering to represent the whole College by speaking at graduation. This is a great honor as she represents hard work with a servant's heart. We know how great she is and we are excited for her to represent industrial engineering and Alpha Pi Mu at the College of Engineering Commencement.



#### **III.** Betterment of the National Society (75 points)

This category includes any project or activity directed toward the betterment, advancement or improvement of Alpha Pi Mu at the national level. Examples include, but not limited to, chapter projects that aid Alpha Pi Mu in carrying out the functions of the national office, participation in the expansion of the society, promotion of Alpha Pi Mu to other professional and technical societies, and promotion of alumni relations. Each activity (text and pictures) must be documented in a copy of the following one page form, an activity cannot be documented more than once each semester/quarter (a maximum of twice per year) and a maximum of five activities may be submitted.

| Betterment of the National Society |                             |
|------------------------------------|-----------------------------|
| Name of activity:                  | Historian Position Creation |
| Date(s) of activity:               | August 2017 – April 2018    |
| Number of members involved:        | 1                           |
| Number of students impacted:       | 250                         |
|                                    |                             |

This year, our chapter wanted to focus more efforts on being the best chapter we can be and detailing our work well in our outstanding chapter report. To accomplish this, we created the Historian officer position. This position was held by Emily Matlock this year and she was tasked with taking good detailed notes for each event we held in order to be better prepared for an officer transition and easily recall the work we've done. This role also involved working on the outstanding chapter report throughout the year in an effort to decrease end of the year stress when the report is due. We are excited to continue with this position but need to strongly communicate the importance of the position and the responsibilities.

| Betterment of the National Society |                                      |
|------------------------------------|--------------------------------------|
| Name of activity:                  | New/Updated Initiation Script Copies |
| Date(s) of activity:               | October 2017                         |
| Number of members involved:        | 5                                    |
| Number of students impacted:       | Many in the years to come            |
| Documentation of activity:         |                                      |

Our group of officers noticed the difficulty in properly performing the initiation ceremonies due to the all capital letter style the scripts were typed in. Our Historian reached out to Priscilla Koelling to obtain the electronic copy of the scripts which were thankfully not in all capital letters. We reviewed and updated some of the mistakes which we then passed back to Priscilla to alert the other chapters. She noted "I think it will be a good update for others too" and we felt good about a small betterment of the society. We now have a much easier time reading and processing the information for initiation which will serve our future officers well, here at the University of Arkansas and every chapter.

| Betterment of the National Society |                                  |
|------------------------------------|----------------------------------|
| Name of activity:                  | Fall 2017 Initiation             |
| Date(s) of activity:               | November 30 <sup>th</sup> , 2017 |
| Number of members involved:        | 10                               |
| Number of students impacted:       | 27                               |
| Documentation of activity:         |                                  |

Arkansas Alpha chapter hosted its Fall initiation with 17 initiates. After the initiation, the new members joined our current members and professors for a celebratory dinner. The new members had the chance to mingle with senior members, officers, and professors, and we all had a good time getting to know one another and looking forward to the upcoming years together. This initiation marked a growth in the number of initiates for one semester, so we are excited to be effectively reaching out to prospective members. Our chapter plans to continue its tradition of community, service, and academic excellence.





| Betterment of the National Society |                                   |
|------------------------------------|-----------------------------------|
| Name of activity:                  | Contact Alumnus for Tableau Event |
| Date(s) of activity:               | February 28 <sup>th</sup> , 2018  |
| Number of members involved:        | 1                                 |
| Number of students impacted:       | 5                                 |
| Decumentation of activity          |                                   |

After seeing an article in the school's daily Newswire, our President Grace McGee reached out to Justin Moore, an Arkansas Alpha member who now works for Harvest Group as an Analytical Lead. The article detailed a two-day seminar he was to give near campus on Tableau, a popular software in the field but is not yet taught to our students in the curriculum. Grace reached out to propose a free 2-hour seminar for industrial engineering students on campus. Unfortunately, it was too late in the year to coordinate the event this semester but Justin agreed and is looking forward to hosting the event next fall, when students will be able to utilize the learned stills in Tableau when speaking in interviews. This is also a great opportunity to reconnect with graduated Arkansas Alpha members and learn from their success.

## Professionals Learn to Create, Share Visual Data With Tableau Software

Feb. 22, 2018

ROGERS, Ark. – Professionals can learn to use <u>Tableau software</u> to help them visualize, understand and share data in meaningful ways. Registration is open for two Tableau classes – basic and advanced – in March and April, respectively. +++++ +++++ + a ble a u

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"Tableau is the market leader in quickly visualizing data," said Justin Moore, class

instructor and analytical lead for the Harvest Group. "Users can dive into data from multiple angles faster than traditional data analysis tools. Visualization leads to insights that have been hidden all along in the numbers."

Moore will teach Tableau Part 1 and 2. He earned a bachelor's degree in industrial engineering at the University of Arkansas and has more than 10 years of experience in analytic and engineering positions with Walmart Stores Inc. and Harvest Group.

| Chapter and University Activities |                               |
|-----------------------------------|-------------------------------|
| Name of activity:                 | APM Spring Initiation         |
| Date(s) of activity:              | March 27 <sup>th</sup> , 2018 |
| Number of members involved:       | 27                            |
| Number of students impacted:      | 27                            |
| Documentation of activity:        |                               |

The Arkansas Alpha chapter hosted its spring initiation with 18 initiates, spanning from sophomores to graduate students. We had a great ceremony and an awesome dinner afterwards. Due to fear of running out of food, our President and Vice President served the attendees tacos. While this was strategic, it proved to be very effective and efficient because it gave the two officers the opportunity to congratulate and get to know the newly initiated members! This initiated our goal of making our events and actions more personal in order to build stronger relationships within the Department.

Additionally, many of our incoming sophomores and juniors showed great interest in serving in leadership positions and being very involved in our events. We are so excited to grow our APM chapter here at the U of A, and continue to pass the tradition of close community, service, and academic excellence our chapter is known for.



