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THE INDUSTRIAL INQUIRER

Monthly Updates from Purdue IISE



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IE PHD STUDENT PARTICIPATES IN MARS SIMULATION

Denys Bulikhov was born in Odessa, Ukraine and is a PhD student in the Industrial Engineering program at Purdue. He is also part of a six man team to be part of a Mars simulation. The goal of the mission is to simulate the conditions of mars as accurately as possible in order to train for what it may be like to actually participate in a mission to mars. The program takes place in a desert station in Utah and uses a mix of a structured work schedule, limited supplies, and constant reporting in order to fully immerse the team for what life would actually be like on mars. Denys served with the U.S. Air Force and specializes in aerospace human factors. His wide variety of skills and experiences make him a great candidate to participate in the mars simulation program. His success is a great example of the broad scope of things that students can do as part of the Industrial Engineering program.



LETTER FROM THE PRESIDENT

The purpose of this letter is to reflect for just a moment on the impact I want IISE to have at Purdue, and where I see us trending over the course of the next year. When thinking about what impact I want IISE to have on Purdue industrial engineering, I think about the students first.

One of the most important things to have as a student is life balance. Often, we get so wrapped up in studying 24/7, and don't leave time to grow and develop in other areas. IISE understands this, and that is why my goal this semester is to develop an array of opportunities for students to help them get the most out of their time here at Purdue; academically, professionally, socially, as well as through community outreach and giving back.

In today's day and age, it is vital to make the most out of every opportunity, and it is a lot easier to do so when you are provided with the right tools. IISE hosts professional events such as Lean Green Belt certifications, the two-way mentoring program, virtual alumni seminars, the semi-annual IE career fair. We strive to improve these each semester, and welcome feedback from the student body to make them the best that they can be. Academically, we have created a strong atmosphere of collaboration, where students feel they can reach out to their network for help in their course load. Socially, we have made huge efforts to create a family atmosphere within the board, with events such as board retreats, a BiggIE-smallIE mentoring program, and inner-board networking events. Externally, we work every day to become more engaged with the greater student population through events like Beautify Grissom, the IE bar crawl, and mixers with students, faculty, and grad students. As an organization, we also make an effort to give back to the community. This semester alone, we will be participating in Relay for Life, as well as volunteering at Natalie's Second Chance shelter in Lafayette, and continuing our annual highway cleanup.

The Purdue chapter of IISE is well renowned across the region, and the country, as one of the most active and high achieving chapters in the nation. I strive to further this reputation and distinguish Purdue as the model for other branches, not only across the US, but internationally as well. I'm proud of what our highly motivated board has been able to accomplish since I joined in 2017, but am confident we have even more potential to provide more value to Purdue IE students than ever before.

Best regards,
Patrick Stuff, IISE President

AMBASSADOR VIDEO

The Purdue IISE Ambassadors recently completed and submitted a video to the annual IISE-IAB video contest. With the help of various IISE members, they submitted a video titled "PLANET EARTH." The video follows a "wild" industrial engineering student (played by IISE member Riley Glatts) weighing the pros and cons of studying versus going out to the arcade. The wild industrial engineering student is shown in the frame below.



The video follows the student as he solves various problems with other industrial engineering students. The purpose of the video is to showcase Purdue IISE and Purdue IE in general. Not only does it show off Purdue Industrial Engineering, but it also shows the fun and general positivity of the program and all of the members involved in the video.

The video can be found at:
<https://www.youtube.com/watch?v=Pt7EcBbZVjM>

Credit for the video goes to:
Main Actor: Riley Glatts
Director: Grace Dunker
Filmed by: Conley Tjahjano and Elena Almendares with drone shots from Owen Crook

IISE GREAT LAKES REGION CONFERENCE

The members of Purdue IISE recently took a trip to Youngstown, Ohio to participate in the 2019 Great Lakes Region IISE conference. Hosted by Youngstown State University, students in IISE from several different schools such as Ohio State, University of Michigan, Wayne State, and many others attended. The day started with speeches from the keynote speakers, including the president of Youngstown State, Jim Tressel. The students then broke off to go to various professional workshops to learn more about the application of Industrial Engineering skills in the actual workforce.

After a quick break for lunch, the conference continued with more speeches about the flexibility that an Industrial Engineering degree can give students in areas such as manufacturing and 3-D printing. For the main event of the conference, some of the students themselves took to the stage to give a presentation on the technical papers that they worked on. The event involved Industrial Engineering students giving a presentation on how they have taken principles from their studies in Industrial Engineering and applied them to the real world. The presentations ranged from topics such as the use of robotics in manufacturing, to how to make a local restaurant operate more efficiently. It was a great example of how the things that industrial engineering students learn in class can have an effect in the real world.

The conference ended with a dinner where students from all of the different schools had a chance to network with their peers and develop professional relations with other Industrial Engineers. Overall, the weekend was a great experience in networking and developing professional skills for life after graduating. The next conference will be hosted by Western Michigan University, and then by our very own Purdue University in 2021!



VIRTUAL ALUMNI SEMINAR SERIES

One way to learn from experienced former Purdue Alumni is to attend the various Virtual Alumni sessions hosted by IISE. This is a fantastic opportunity to learn from speakers who have attended Purdue and have taken their experiences to a multitude of different career sectors.



The most recent alumni session was with the Director of Latin American Operations for Kimberly Clark Carlos Moreno. Carlos originally came to Purdue from El Salvador because of how highly ranked Purdue's engineering program was. He took the lessons he learned at Purdue to help him when he eventually moved back to Latin America after graduating. He also spoke extensively on his experiences in Latin America and what it means to be apart of a workplace culture. As someone who has worked at the same company for 25 years, he gave valuable insights towards leveraging your own skills, identifying a healthy work environment and how to work within a company to achieve your own personal goals. The next Virtual Alumni session will be with an Industrial Engineer with civilians working for the Department of Defense on March 5th in Grissom 102.

RESUME WORKSHOP



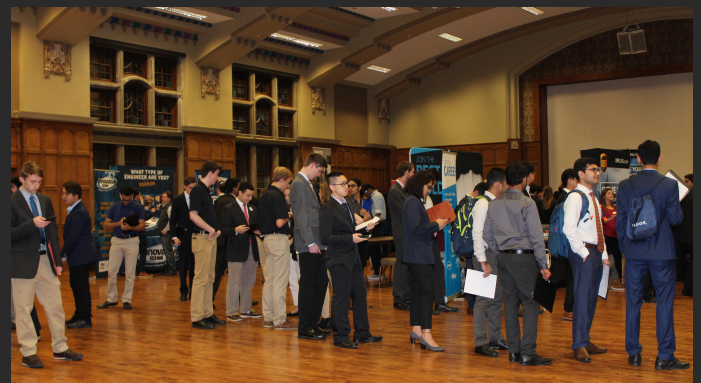
- On January 24th, IISE held a resume workshop leading up to both the IISE Career Fair and the PESC Expo. The workshop was an extreme success as all new members of IISE got advice and some tips on how to better structure their resumes. The upperclassmen who helped with the resumes all had prior internship experience and knew exactly what companies and recruiters were looking for in a resume. This workshop could take a subpar resume and turn it into gold with just fifteen minutes of conversation with some resume experts. In case you missed it, helpful tips included:
- Put any and all professional experience on your resume
- Your resume should be easy enough to scan through that a recruiter can gather everything they need to know from it during an elevator pitch
- Be clear in your objective statement what you are trying to achieve (internship, co-op, full-time, etc.)
- Avoid putting high school experiences on your resume
- Be as specific as you can when including what you have done in prior jobs/internships
- Format the resume into easy to read and "scannable" sections

INDUSTRIAL ENGINEERING CAREER FAIR

As a precursor to the PESC Career EXPO, IISE held its semi-annual career fair on Monday, January 28th, from 6:00 to 9:00 pm. Exclusive to Purdue's Industrial Engineering students, the fair is a great opportunity for IE's to get a head start on job and internship hunting. Companies gathered in the PMU to network with and recruit the hundreds of students that attended. Some of the companies that attended were PepsiCo, Kohl's, Axiom, Conagra, Newell, Belden, Bastian Solutions, among many others.

If you couldn't make it out to the spring career fair, make sure you find your way to the fall career fair and use it as an opportunity to get your resume out there. According to Purdue Industrial Engineering Student Griffin Smith, "It's nice going to the a career fair where the companies are only pursuing students in your major. It's absolute chaos trying to fight all of the other engineering students for spots in line at IR and EXPO." That is about the best endorsement of the IISE Career Fair that there could be. Why wait in line vying for a job with thousands of other students from different engineering disciplines when these companies have put forth the effort to specifically recruit IE's?

Big shoutout goes to Shivane Jetley, who was the main organizer of the career fair. He, along with other members of IISE's Pro-D board, worked to organize an incredibly successful event that undoubtedly led to many students receiving either full-time or internship positions. Twenty-five companies attended the event, and the lines were out the door. Connections were made, resumes were handed out, elevator pitches were given, and interviews were secured because of the hard work of Shivane and the rest of the IISE Pro-D board.





IISE BOARD RETREAT

This past month IISE went on their spring semester board retreat. The board retreat is a fantastic opportunity for the new members of the club to bond with some of the more senior members through fun activities. With the blistering cold weather outside, the members of IISE went to the Co-Rec to compete in a series of team bonding competitions between the various boards. The afternoon started with a friendly game of dodgeball and transitioned to a poster drawing competition. Each of the boards was tasked with coming up with an illustration of the defining characteristics of what it means to be a part of their respective boards. There were a good variety of creative drawings, and the Senior Advisory Committees' winning design now hangs in the IISE office in Grissom 145.

After a quick break, the members of IISE jumped into an intense round of tug of war in a test of endurance and willpower. Rounding out the day was an exciting relay race. When asked what was the thought process behind planning the various events for the board retreat, programs director Patrick Foster responded, "The main goal of board retreat was for people to have a fun bonding experience with all of IISE, but specifically with the members of their own board." Big congratulations to programs director Patrick Foster, as well as social chairs Shane Addington and Sitara Simons for putting on such an amazing event.



LEAN GREEN BELT

IISE will be hosting Lean Green Belt certification weekend of the 22nd of March. Follow the qr code to sign uptake the class at a heavily discounted price and get your Lean Green Belt certification



MARCH

5

Virtual Alumni Seminar

11-16

Spring Break, EnjoIE your vacation

22-24

Lean Green Belt Certification class

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