



# Institute of Industrial & Systems Engineers Young Professionals Newsletter

## Letter from the President

For those of you who don't know me you will quickly learn that I truly enjoy the months of May, June, July, and August. And no, it's not because I'm an avid golfer trapped up north either....The reason I enjoy these months is because there is so much excitement following the IISE annual conference and this year is another one that did not disappoint!

The 2016 IISE annual conference in Anaheim, California was a magical experience that attracted over 1,600 Industrial & Systems Engineers from all over the globe. Throughout the week students, professors, and professionals alike had the opportunity to learn valuable insights from over 150 presentations on IE tools and applications. If you were at the annual conference, hopefully you had the opportunity to attend one of the many YP sponsored sessions.

Our leadership team had the chance to meet in person in Anaheim which proved to be a valuable experience for all. Heading into 2017 we have a restructured leadership team that is 100% focused on creating personal and professional growth opportunities, including leadership development and network building through the Institute of Industrial & Systems Engineers organization. We will continue to support the transition to the professional community by integrating with the broader Industrial & Systems Engineering body at large.

In this day in age communication is everything. That is why our leadership team is hard at work spreading the word about the IISE YP group and making it easier for Young Professionals to connect and stay engaged with one another no matter where their careers take them. If you're a Twitter user be sure to follow the YP group (@IIE\_YPs) and be on the lookout for our articles of the week, Wisdom Wednesday, and Fun Fact Friday tweets. This initiative will feature a series of articles, educational and motivational sources that can be leveraged in your professional careers.

As always, thank you for your continued support of the IISE Young Professionals. We're looking forward to what the remainder of 2016 has in store for our group!



**Jared Dunlap | YP President**

*Jared is a Management Consultant with Accenture out of Pittsburgh, Pennsylvania*

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### Don't Miss Out!



- Be sure to connect with us on Twitter and keep an eye out for Wisdom Wednesday and Fun Fact Fridays each month! @IIE\_YPs



## YP Spotlight—Carl Kirpes

Carl graduate with his Masters in Science Engineering from Iowa State University in the Spring of 2012. He has been the Vice President of Operations with GENESYS Systems Integrator since February 2013, and is based out of Kansas City, MO. Here he leads 7 different departments, and has developed the company with other members of leadership in the company. Prior to being the VP of Ops, Carl was a Solutions Development (Sales) Engineer. Prior to working at GENESYS Systems Integrator, Carl was an Applications Engineer at Proplanner Inc., in Ames, Iowa from May 2011 – Aug 2012. While in school, Carl worked as a research assistant for both the Mechanical Engineering Department and the Industrial and Manufacturing Systems Engineering Department. He went on to become a Research Mentor with the Virtual Reality Applications Center where he devel-

oped a virtual store application for a three-dimensional, fully-immersive synthetic environment and Co-authored a published research paper. The support from Carl’s mentors and colleagues prepared him well for his current role as VP of Operations.

Carl is extremely active with IISE, currently serving on the Industry Advisory Board as the chair for this year. In 2015, Carl received the Outstanding Early Career IE in Business/ Industry Award. Beyond the IAB, Carl is also involved with the Council on Industrial and Systems Engineering (CISE) and the Board of Trustees. Carl is also very involved with his community and was an Ingram’s – 20 in Their Twenties Award Recipient.

**Kelsey Larsen | Marketing**

*Kelsey is a Digital Consultant with Accenture out of Columbus, Ohio*



*“I was excited – no doubt about that-but not sure how it would all go. I’m happy to report that I was not disappointed”*

## 2016 IISE Conference Recap

M-I-C-K-E-Y M-O-U-S-E! As conference opening keynote speaker Brian Betts said, you can’t spell Mickey with I.E! And so began the 2016 IISE Annual Conference at Disneyland Hotel in Anaheim California. Betts continued his keynote by talking about what else “needs an I.E,” taking a look at the roll we play in efficiency, immersion, and innovation. I found that Betts opening keynote wasn’t just the great, energetic, and interesting keynote you always hope will kick off a multi-day conference (complete with an appearance by the aforementioned Mickey Mouse) but it presented a theme of all the ways Industrial and Systems Engineers fit into the world.

This was my first IISE Conference. I was excited – no doubt about that-but not sure how it would all go. I’m happy to report that I was not disappointed. Over the course of the three day conference, I attended many great sessions while meeting up with old acquaintances and making new ones! Tending to be a bit more on the shy side, events like this are welcomed ways to practice connecting and opening up.

My conference journey really began a few weeks prior when I started looking over the presentation schedule. If you’ve never been to one of these conferences, there are hundreds of session selections to pick from ranging in both topic and industry; truly covering the whole gamut of what IISE has to offer. As I read through the options, I decided to attend a mix of sessions: I attended some that are relevant to my current job role, some that just looked crazy interesting, and a few that focused on where I may want to go next in my career. Having that variety was a highlight for me.

Another highlight was getting to see a group of students from my alma mater give a presentation on their senior design project. I was a proud alum as I watched them give a wonderfully professional and thoughtful presentation on a well done process improvement project. A second presentation that really stood out to me was applying engineering economy analysis...to a vineyard! The speaker gave an overview of the project which included risks analysis, investment projections, and return on investment analysis. The vineyard project was anointed feasible, so look for improved wine production in the future brought to you by IISEs! A presentation by Tim Healey from the Institute for Operational Excellence spoke to a topic dear to my heart since it applies to my current job, how to use value stream analysis in an office setting to find the “right” focus areas for improvement, not the traditional “whack-a-mole” style of whatever issues appears next.

Hopefully everyone who attended enjoyed the conference as much as I did! I am certainly looking forward to next year’s conference in Pittsburgh, Pennsylvania. See you there!

**Christina Kach | Marketing**

*Christina is an Industrial Engineer with Liberty Mutual Insurance out of Boston, Massachusetts*



## What is IISE YP?

**About Us:** IIE's Young Professionals Group was established to identify the needs of members who are ages 35 and younger.

**Vision Statement:** To be the premier organization that *unites and accelerates* the progress of young professionals globally as a *catalyst to promote* the industrial and systems engineering profession for the future.

**Mission Statement:** IIE Young Professionals is a group of global young professional members that aim to *strengthen their relationship* with the industrial and systems engineering body at large. We create personal and professional *growth opportunities* including *leadership development* and *network building*. In addition, we *support the transition to the professional community* by integrating with the industrial and systems engineering society.

## 2 Things to do in College that will Land you a Job

One of the most common *pieces of advice* you'll hear is "Get an Internship." Yes, internships/co-ops are important. They help you to get your first job out of college. What we don't see or hear is how do you get started? Why will a company hire you if you don't have an experience? **Getting an internship is not always as easy as it looks.** When I was looking for my first summer internship, I applied to hundreds and hundreds of jobs -- on company sites, different job portals, telling people about it, etc. I would sit in my room or *at school* and apply, apply, apply! I ended up in not having a single one.

And so I had these "Scary Scripts" in my mind as I was looking at my friends getting their internships. Some of them were:

"What if I won't get a full time job since I don't have an internship experience?"

"What if nobody hires me at all?"

"Will I get a decent salaried job?"

"How should I utilize my summer time?"

"I don't want to waste this precious time in college"

This was frustrating and I knew I had to have an experience of some sort to include it on my resume. I want to share two actions you can do today to get you up and running and get your experience badge. I have used both of these and it works extremely well.

Let's start -

### Action 1 : Join an Organization

I would start immediately by saying you do not have to blindly join all the organizations your college offers. In fact, that certainly will bring in *minimal* results in the long run. What you want to do is **join 1-3 which are specific** to what you study or major in. For *example* - let's say you are majoring in Industrial Engineering and studying at NC State. Out of the many organizations, you want to narrow it down to the most applicable ones. By researching, you'll see that NC State offers **Inform and IISE**.



In fact, if you look carefully, you'll also find the point of contact listed right there so you can immediately reach out and join.

However, simply joining an organization is not enough. Guess what - Most everyone does it so they can put that on their resume. I don't want to just leave you here. I'll share two clever strategies you can use that will not only make your resume look rich, but in some cases, will beat the other job applicants too.

**1. Do a volunteering project:** Be a part of a project under the organization and offer to do it voluntarily. Most people would love to include you. Take the work, execute it and note all the results you achieved. For *example* - I was part of the International Student Office and we did projects including conducting seminars, transportation management, arranging accommodations, etc.

**2. Organize an event:** If you want to take an extra step, you can also organize an event. This means taking up the responsibility to arrange an event and doing all things around it. Remember, this is super fun and goes a long way to show to employers/companies that you're worthy enough to manage projects very well

### Action 2 : Take a Class Which Involves Working for a Company

How many times have you heard people who want to take a class in summer because they want to *utilize* the time period? One way you can *utilize* your time is to not simply *taking's* a class, but **take one which involves working for a company**. For *Example*: As an Industrial Engineer, we had an option to take several business classes in our curriculum. Many of these MBA classes involved working for a big company like Caterpillar or Bank of America. So, here's your chance to take such a class -- since it will not only help you gain experience and put the company tag on your resume, but also will be a great learning experience. How can you incorporate the two actions above and how can it help you get a job? **One of the key elements employers look for when hiring college graduates is experience.** Executing on both or either of these two will help you achieve that. Remember, it's important to execute and take action, to do the work and work on the projects -- not simply join for the sake of it.

So, go ahead and take action NOW.



**Zubin Ajmera | Content Contributor**

Zubin has a Master's in Industrial Engineering and currently works for a Logistics company. He has experience in multiple domains in manufacturing, consulting, data analytics and helps aspiring industrial engineers in their career endeavors at [industrialinside.com](http://industrialinside.com)

# Meet the YP Board of Directors

It is with great pleasure to introduce you to the 2016-2017 IISE YP Board of Directors!



**Jared Dunlap | YP President**  
*Management Consultant, Accenture*



**Diane Kargol | YP President-Elect**  
*Engineer—Hub Engineering, FedEx SmartPost*



**Christina Kach | Marketing**  
*Industrial Engineer, Liberty Mutual Insurance*



**Kelsey Larsen | Marketing**  
*Digital Consultant, Accenture*



**Samantha Strawser | Student Affairs**  
*Technology Analyst, Accenture*



**Benjamin Taylor | Student Affairs**  
*Quality Engineer, Parker Hannifin*



**William Anderson | Professional Chapters**  
*Management Consultant, West Monroe Partners*



**Faisal Aqlan | Professional Chapters**  
*Assistant Professor of Industrial Engineering, Penn State University*



**Nathan Crabel | Regions**  
*Management Consultant, West Monroe Partners*



**Matthew Lee | Website**  
*Consulting Analyst, Palantir*



**Theo Nehemias | IAB Consultant**  
*Industrial Engineer, Northrop Grumman*



**Kira Hansen | SEMS Consultant**  
*Industrial Engineer, Harley-Davidson Motor Company*



**Elizabeth Gentry | SHS Consultant**  
*Assistant Professor of Industrial Engineering, University of Louisville*



**Kaz Takeda | Senior Advisor**  
*Industrial Engineering Manager, Disneyland Resort*



## Contact Us

If you're interested in learning more about the IISE Young Professionals or getting involved, please contact [lieyoungprofessionals@gmail.com](mailto:lieyoungprofessionals@gmail.com) for more information. Also, be sure to visit [www.iiseyoungprofessionals.org](http://www.iiseyoungprofessionals.org) for additional YP content.