# Just In Times

**Institute Of Industrial & Systems Engineers**
**South Jersey – Delaware Valley Chapter No. 132**

VOLUME 63 | February 2024 | NUMBER 2

**IISE-SJDVC132 Website: http://www.iisesjdvpc.org**


**Theme:** Education
Joint Meeting with ASQ

**Date**: February 13, 2024

**Time**: 6:00 – 6:30pm (Network)
6:30 – 8:00 (Program/Dinner)

**Location:**
Adelphia Restaurant
1750 Clements Bridge Rd,
Deptford, NJ 08096

**Cost:** $25

**RSVP by February 9**
Kevin Drevik
kdrevik@yahoo.com

***Remember!***
*Chapter members are invited to set up a site tour of their employer's facility for the chapter's membership, in exchange for half off membership dues for a year.*

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## *National Engineer's Week*

***February18-24, 2024***

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## February Joint Meeting with ASQ

# Temple University's Educational Opportunities & Services

*Temple now has Industrial & Systems Engineering! Learn about this newer program and the success of its first graduates. As the only program of its kind in the area, see how it how it distinguishes itself, what it can do for your company and ways to get involved.*

*Julie is a professor and director of the Industrial & Systems Engineering program at Temple University. She is a seasoned practitioner and educator with interests in engineering education and the modeling of sociotechnical systems.*

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## PRESIDENT'S MESSAGE

Hope you are having a good year so far, and are ready for Engineer's Week! February 18-24 is the week we celebrate engineering achievements with events and discussions. According to several engineering societies (in addition to IISE) this year's theme is "Welcome to the Future!" Engineers have been an integral part of improving the life of people all over the world for centuries, so make sure you take the chance to go out and celebrate your achievements and those of your peers.

We had a great tour of Edmond Optics in January, and got the chance to study how they receive, process, build and ship out high-end optics throughout the world, as well as some of their history (including the US space program). Again, thanks to Paul Siebeneicher for setting this up.

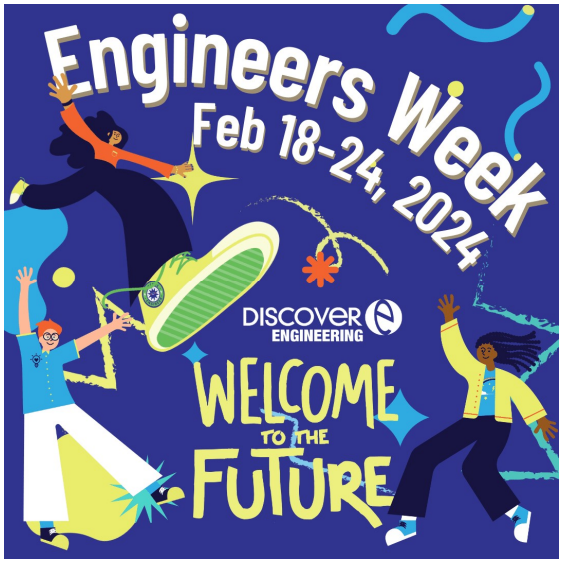
February's event is a joint meeting with ASQ (Society for Quality Professionals) on Feb 13th. (See details for time and address above). Our speaker will be Julie Drzymalski, Professor for Temple's new IISE program. She will be speaking about this newer program and the success of its first graduates. As the only program of its kind in the area, see how it how it distinguishes itself, what it can do for your company and ways to get involved. Julie is a professor and director of the Industrial & Systems Engineering program at Temple University. She is a seasoned practitioner and educator with interests in engineering education and the modeling of sociotechnical systems.

Our IISE chapter will be looking to do additional outreach in 1st and 2nd quarters with the Temple program, so if you are interested in assisting, please contact me.

I want to take the opportunity again to invite our members to come visit a board meeting, see how we operate, and provide your own ideas. Our board meetings are typically held on the first Wednesday of each month, in Audubon NJ. The February board meeting is tentatively scheduled for Feb 28th. Please contact me if you'd like to attend. Who knows, you may find out you enjoy it so much you would like to join the board!

In the months ahead, the board is going to continue with our communication/outreach plan for 2024. I would welcome any thoughts from our chapter members in regard to this, so please email me at kdrevik@yahoo.com.

Kevin
IISE SJDV Chapter 132 President



This column was originally written for the Chapter newsletter in February 2006 by Paul Robert Siebeneicher,, CMfgE, CSI, F.IIE. I thought the new year was a good time for career reflection. – JPM

# Career Development

## THE BIGGEST CAREER MISTAKES

The January 2006 ***Career Development Column*** discussed the importance of ***Career Management*** (***CM***). In my experience, **the No. 1 Career Mistake is not practicing *CM***. If you do not manage your career, just who will? Actors and athletes hire professional agents to manage their careers, paying 10% or more of their income to someone who will spend their full time managing their careers. An engineering professional will not hire someone to manage their career and usually will not manage their career themselves. Applying Praeto's Law, 80% of the engineering careers just happen.

**The No. 2 Career Mistake is not keeping their professional skills up to date**. It is not enough to read technical books and magazines and attend seminars and workshops. There are many ways to up date your skills, but they need to lead to degrees, licensing and certifications. How do you know what are the skill areas that will be in demand? Where will you find the topical conferences that provide the insight and leading edge technology for your future?

**The No. 3 Career Mistake is not building and maintaining Professional Networks**. More than 90% of the practicing professionals do not belong to the professional societies that exist solely to advance and support their careers. Due to the low levels of membership, and even lower levels of active participation, the majority of professional careers suffer. Low membership and low participation in activities and programs lead to lower leadership and representation in your career fields. The path to a successful career is often through whom you know, not what you know. ***Continuous networking works continuously***.

**The No. 4 Career Mistake is not mentoring and supporting our young professionals entering our profession.** I recognized in 1973 that there was a serious problem with the graduating industrial engineers, especially the IIE graduating industrial engineers. Not only were we losing 90% or more of our fellow student members, that were IIE Members before graduation, we also were not gaining new members from the graduating IE ranks. This negative trend has continued for over 3 decades now. It is my opinion that this is one of the reasons, and there are many, that there are fewer and fewer industrial engineering positions available in business and industry for industrial engineers.

Why is it so important to have the IE/IIE graduating industrial engineers be successful in starting out their careers? Simply stated, their success is our success. Their failures are our failures. Through mentoring and support, we can provide the guidance and opportunities to smoothen their transition from classroom to office. My Career Development Directorship was started to address this area and provide career-counseling services to our local membership. After thousands of critiqued resumes, hundreds of career development articles and numerous career workshops over the past 30 years, the negative trend of losing young IIE Members continues.

One of the reasons we continue to lose recognition for our profession and see fewer and fewer ads for industrial engineering jobs is because we have not built a professional family. We are paying the price as other professional societies have found ways to reach and maintain their young members, while providing opportunities for programs and certifications demanded and recognized by business and industry.

Recognizing what has been happening, it was important to understand why it was happening. Although not immediately apparent, I have finally concluded that there has to be a partnership between the IIE University Chapters and the IIE Senior Chapters. The IE Department Heads, Professors and Faculty Advisors have their hands full delivering a first class IE education that provides all the training needed to graduate as an industrial engineer. They have no choice with their expanding curriculum, but to leave the area of ***CM*** to the Placement Centers and students themselves.

It is my experience that neither the students nor the Placement Centers on campus are capable and equipped to provide the best guidance and mentoring to launch a successful career. I began delivering career workshops by myself in 1980 and continued until 2001. A long this journey I discovered that I was no longer capable of delivering a first class career workshop by myself. Keeping up with all the changes in the areas of job recruiting and searching, was getting impossible. I recruited other IIE Members as speakers on the subject of ***CM*** and began delivering an ***IIE Regional Career Quest© Workshop***.

Together, John Bianchi, Kevin Drevik, Tom Fung and I will deliver the ***IIE Region I Career Quest© Workshop 2006*** at Lehigh University in Bethlehem, Pennsylvania on Saturday, February 25, 2006. I finally feel, with this team effort, that we will no longer be making the No. 4 Career Mistake. When we deliver the career workshop, we will be working to eliminate many of the other career mistakes

listed. ***What are you doing to eliminate your biggest career mistakes?***

***Educate, Proliferate . . . . . or Vanish!©***

*Paul Robert Siebeneicher, II, CMfgE, CSI, F.IIE*
Director of Career Development - IIE Fellow 1971 * 2006

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## About Our Next Meeting:

## ***Joint meetings with ASQ Slated for March & April***

***Our March & April Technical Program will highlight Industrial Engineering and Quality issues. Our April speaker will be Ryan Flaherty on IE case study.***

***These programs are scheduled to be held on Tuesdays, March 12th and April 9th at Adelphia's in Deptford, NJ. Plan to join us now.***

**Save the date(s)!**

***Chapter Progress Report***

The CPR is due to IISE National by February 23. This report documents the chapter's activities including programs, member communications, student outreach, and fiscal responsibility.
This deadline is a bit earlier due to the Annual Conference being held in Montreal, Canada this year which requires addition time in transporting items due to Customs requirements.
Recent chapter activities include student outreach to recent area graduates, sponsor of the Philadelphia Future Cities Competition, and submission of the IISE Newsletter Competition.

Brains Teasers

1) Before Mount Everest was discovered, what was the highest mountain in the world?
2) What do you break before you use it?

Answers on Page 6

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## Career Development

Temple is offering online professional development courses:

**LEAN GREEN BELT ($755 professionals/alumni)**
**Online On-Demand**
This three-day course provides an in-depth understanding of lean enterprise principles and how to apply them within your organization. Your lean journey begins with a series of interactive simulations that demonstrate how each lean concept is applied and its impact on the process. Mapping the process flow and identifying the activities that add value from the customer's perspective is the cornerstone of this class. The class is then given a scenario and the students simulate the conversion from traditional to lean in a practical hands-on environment. The course also provides a structure for how to manage a lean process for continuous improvement. Participants will learn how to structure their organizations to support and continuously improve a lean process. Participants will also fully understand how to implement 5S within their plants and how to begin reducing setup time using the SMED process.

**SIX SIGMA YELLOW BELT ($380 professionals/alumni)**
**Online On-Demand**
Demystify this topic with this seminar that includes a discussion of the Define-Measure-Analyze-Improve-Implement-Control (DMAIIC) methodology. This seminar will provide you with an overview of the basic philosophy, organization and methodology for Six Sigma quality and introduce you to the Six Sigma topics of variation, process capability and root cause analysis. The exam is included in the course fee. Participants who pass the exam receive IISE's Six Sigma Yellow Belt Certification. Participants will need to complete suggested readings and work practice problems in addition to viewing the online presentations as they prepare to successfully complete the certification requirements.

Contact:
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*(215) 204-2970*

## IIE EVENTS & TRAINING

## *Get started on your Annual Conference journey*

- **Register soon and SAVE:** Lock in early bird rates by Feb. 16.
- **Get your travel documents in order:** ACT NOW to ensure smooth entry into Canada.
- **Preview dynamic keynote speakers:** Top leaders will motivate and inspire you.
- **Book your hotel:** DoubleTree by Hilton Montreal; educational sessions will be held at the Montréal Convention Centre.

**CAREER CENTER**

**South Jersey Delaware Valley Chapter Employment Assistance Network**

Are You Looking For A Job? Do You Know Of A Job Opportunity?
Contact The SJC Employment Assistance Network: Email your name or any hot opportunities to Kevin Drevik at **Kdrevik@aol.com**

## Treasurer's Report

**Mr. Richard T. Huysie reports a Treasury Balance of $6,863.93 as of January 29, 2024 for the IISE South Jersey Delaware Valley Senior Chapter No. 132.**

## Membership Report

As of 12/31/2023 the SJDV Chapter has 97 Members.

**Please Don't Go! Time to renew your membership**

Chad Demore
Fred Rexon
Alfred Schempp
Allan Roberts
Jason Zambriczki
Paul Siebeneicher
Kailin Tu
John McGowan

**Don't forget to renew your IIE Membership!**

**Your support of your professional society is greatly appreciated. We value your Membership!**

**Did you know …**
**The IIE South Jersey Delaware Valley Chapter will reimburse 50% of Member's Dues if he/she recruits a new full-dues paying member? Please contact the membership director prior to your associate's joining of IIE.**

**Check out our Chapter's Website!!**

**http://www.iisesjdvpc.org**

**Brain Teaser Answers (Page 4)**

1) Mt. Everest
2) An egg

# *HAPPY VALENTINES DAY!*

## (An Industrial Engineering Specialty)

I love you not only for what you are, but for what I am when I am with you. ~ Elizabeth Barrett Browning

The greatest thing you ever learn is just to love and be loved in return. ~Nat King Cole

There is no remedy for love but to love more. ~ Thoreau

Life is the flower for which love is the honey. ~Victor Hugo

Each day I love you more, today more than yesterday and less than tomorrow. ~Rosemonde Gérard

The greatest happiness in life is the conviction that we are loved- loved for ourselves, or rather, loved in spite of ourselves. ~Victor Hugo

For true love is inexhaustible; the more you give, the more you have. ~Antoine de Saint-Exupery

One word frees us of all the weight and pain of life: that word is love. ~Sophocles

## *January's Edmund Optics Tour*

*SJDV-IISE toured the Edmund Optics site on Jan 17th (see Jan newsletter for details). Excellent tour and information, as they continue to support customers with advanced optical solutions, including the defense industry, biomedical and Industrial Inspection. Tour took us from receipt to processing to shipment. Great time!*

# *Lionville Middle School Wins the 2024 Philadelphia Future City Competition*

The Philadelphia Region Future City Competition was held at Archbishop Carroll High School, Radnor, PA on January 20th and was won by Lionville Middle School.

**The 2023 - 2024 Future City Competition Theme**
***Electrify Your Future***

Every day we plug in and power up, thanks to electricity. Electricity is essential for heating, cooling, and ventilation. With each day comes new demands on our electrical grid: more electric cars on the road, more buildings switching to electric heat pumps, and more industries electrifying manufacturing processes formerly powered by combustion engines running on fossil fuels.

Today most electricity is generated by large power plants, with over 60% in 2022 from fossil fuels such as coal and natural gas. Burning fossil fuels for electricity, heat, and transportation is the largest source of greenhouse gas emissions in the United States and China. These emissions cause global warming, which in turn causes climate change. As the world works to adapt to and mitigate the impacts of climate change, we need to change how we generate electric power.

There is a growing consensus that future cities could be powered completely by electricity. What clean, green, and renewable energy sources could power the electrical grid? How would these sources generate enough electricity for industry, transportation, agriculture, residential, and commercial uses? Today's engineers, scientists, architects, and city leaders are working together to make our cities run on electricity created from energy with minimal environmental impact. Can you imagine what future cities will be like when engineers find and implement solutions to the challenge of electrifying our cities?

The students' challenge:

Design a 100% electrically powered city with energy generated from sources that keep your citizens and the environment healthy and safe.

**Lionville Middle School**

The IISE South Jersey Delaware Valley Chapter sponsored the **P. Robert Siebeneicher Industrial & Systems Engineering Award** which was won by **St. Andrew School** from Newtown, PA.

**St. Andrew School**

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