

INSIDE THIS ISSUE

From the President's Desk.....1

Board of Directors2

ISPE Holiday Party2

Women in Pharma Panel.....4

Habitat for Humanity.....5

ISPE National Awards Ceremony6

Future Cities Competition.....7

Draft Annex 1: What it Means to Sterilization and Moist Steam Quality.....8

Single-Use Versus Stainless Steel Systems or Are Hybrid Facilities the Best of Both Worlds.....8

Virtual Lunch and Learn Series9

My Experience at the Annual ISPE National Conference 10

Welcome New Members..... 11

Member Milestone Anniversaries.. 12

Sponsor Spotlight 14

The ISPE Matters Delaware Valley Chapter newsletter is created by the Marketing and Communications (MAC) Committee. For information on how you can contribute, please contact:

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MAC@ispedvc.org

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manager@ispedvc.org

www.ispe.org/delaware-valley-chapter

FROM THE PRESIDENT'S DESK

By Eleanor Small



Eleanor Small
Principal Scientist
Johnson & Johnson
Consumer, Inc.

Welcome to our new world. Friends and families are separated, people are

scared, and the world is wondering what is fact and what is fiction. For the first time in years, the general public is trusting in rigorous science and established brands again. This is the moment for our industry to reconnect with the people we serve and remind our neighbors that each of us work in this field because of our passion for impacting human health. The connections and community of ISPE are enabling our industry to lead the way, and our chapter vision of Balance for Better Membership Value is more important than ever.

Let's take a moment to reflect and celebrate some good news from fall and winter! Our revised YP program kicked off with a social and two successful Lunch and Learns on cGXP 101 (taught by Dr. Dennis Gross) and Regulatory 101 (taught by two experienced members of industry from Johnson & Johnson). Our Students program had a strong start supporting our youngest up-and-coming engineers at the Future Cities competition in October, and the Introduce-A-Girl-To-Engineering Day at the Franklin Institute in February. They are now collaborating with chapters around the US to create a Digital Hackathon. Our Membership program continued to provide social and philanthropic opportunities to help our members stay well rounded through connections and giving back. We hope you enjoyed our new approach to the Annual Holiday Gala,

which was held on January 24, 2020. We had the largest turn out of members in recent history, and we were able to raise a significant contribution to our new local philanthropy, HAVEN Women. We plan to make this our new MO and hope to see you there in 2021.

On March 6-15, 2020 the Governors of Pennsylvania, New Jersey, and Delaware declared states of emergency in response to the growing COVID-19 threat. Many of our own companies have instituted social distancing and work-from-home policies, and local townships have closed all non-essential business. On March 5 we made the decision to postpone the March program out of caution and have since canceled or postponed all in-person events. All committee and board meetings have been moved to digital, and our Annual Golf Outing and Annual Symposium and Exhibition are in the processes of being rescheduled. The health and safety of our members and volunteers continues to be our top priority.

Your Delaware Valley Chapter Board of Directors is dedicated to providing you the best support and value to your membership. We quickly pivoted to digital webinars, thanks to your help in the fall when we beta-tested our education live streaming option. The YP program stepped up to the COVID misinformation challenge by creating a three-part, 101 Lunch and Learn series on Immunology, Vaccines, and Anti-Viral Therapies, all taught by our very own Dr. Dennis Gross. With livestream and recording now running smoothly, we are ready to lean into our commitment to deliver six more PDH credits. Be on the lookout for two digital program webinars

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FROM THE PRESIDENT'S DESK (cont.)

By Eleanor Small

offering one PDH each, and two digital education webinars offering two PDH each.

Looking toward the summer, I will not say we have a "jam-packed schedule." What we have, is a well-balanced itinerary to bring you the best value possible. Thank you for your continued support and understanding as we assess and respond to each challenge that comes our way. If

you have any questions, please reach out to a member of our Board or to the Chapter office at manager@ispedvc.org or directly to me at president@ispedvc.org.

Stay safe out there, wash your hands, and wear a face mask!

- Eleanor F. Small, Ph.D.
President, ISPE-Delaware Valley Chapter

If you have any comments, questions, or concerns about ISPE DVC, or would like to make a suggestion about future programs events or topics, please feel free to e-mail me directly at: president@ispedvc.org.

ISPE DVC'S NEW ADDRESS

ISPE Delaware Valley Chapter (DVC) | #142
600 West Germantown Pike, Suite 400
Plymouth Meeting, PA 19462

ISPE HOLIDAY GALA

ISPE DVC 32nd Annual Holiday Gala: A Starry Night

Our Annual Holiday Gala was held on Friday, January 24, 2020 at the Kimmel Center in Philadelphia.

ISPE DVC has a lot to be thankful for and this year, we're grateful for the support of our members and guests who showed up to make our 32nd Annual Holiday Gala a success! Without your support and participation, ISPE DVC wouldn't be where it is today.

Congratulations to CAI for winning this year's Sponsor of the Year Award and a very warm congratulations to Jack Chu, P.E. of Merck, for receiving the very prestigious 2019 Buz Lange award.

Thank you to all who supported the 50/50 raffle fundraiser! Through your generous donations, we were able to

give back to HAVEN Women, a non-profit that supports women veterans.

Congratulations to Pete Solazzo, Modwave, for winning the Genesis AEC sponsored Basket of Cheer and to Jennifer Otero, Covex for winning the 50/50 raffle.

Lastly, a big round of applause to the 2019-2020 ISPE DVC Board for organizing a swanky, chic and fun holiday gala that sets the stage for many more milestones to come!

See photos from on the gala on the following page or click [HERE](#) to access the entire photo album!

ISPE HOLIDAY GALA (cont.)

ISPE DVC 32nd Annual Holiday Gala : A Starry Night



CAI – ISPE DVC 2019 Chapter Sponsor of the Year



Jack Chu, PE, Merck – 2019 Buz Lange Award Recipient



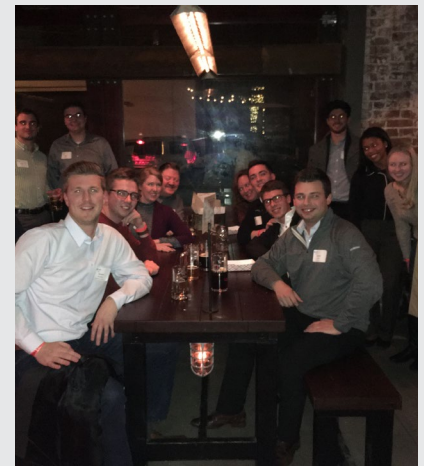
ISPE DVC Past Chapter Presidents



EVENT RECAP

YP EVENTS - NOVEMBER SOCIAL

A small but enthusiastic group of folks joined the ISPE Young Professionals committee at Frankford Hall on November 21, 2019. For those who haven't been, Frankford Hall is a German-style beer garden. They have both indoor and outdoor seating – in the winter they make it work with pillar heaters. Attendees received a wristband that gave free access to drinks and food for the duration of the event. Frankford Hall's food is very good, especially the pretzels. A big thanks to everyone who made it to our first ever YP social event, especially our friend who came straight from a flight from Switzerland! Keep your eye out for a similar event next fall, which will be held in the King of Prussia area in October.



EDUCATION TOPIC IDEAS?

What topics would you like to see covered at future education programs? Click [HERE](#) to send your ideas.

ISPE DVC WOMEN IN PHARMA EVENT

Learning to Lean-In in Today's Business Environment | Held at the Leeland Mansion in Conshohocken

On the evening of December 4, 2019, ISPE DVC hosted an exciting Women in Pharma (WIP) dinner event at the historic Leeland Mansion located in Conshohocken. Consistent with ISPE International's mission statement for the WIP initiative, the event provided a forum for connecting women (and men) from across the pharma industry to collaborate on career advancement topics, work/life balance strategies, and recommendations for developing inclusive and diverse communities in our workplace.

Approximately 50 ISPE members and non-members attended the event to hear a panel of five accomplished women who represented a wide range of professional pharmaceutical roles, experience and companies.

The panel consisted of: Kristen Duffy, Chief of Staff, Global Biologics & Sterile Operations, Merck; Laura Flessner, Director New Venture Insights Lead, GSK Consumer Health; Rachel Haddock, Vice President Technical, Biopharms and Steriles, GSK Pharmaceuticals; Meryl Towarnicki, President, Genesis Architects; and Jing Yang, People and Business Resource Group Lead, Pan Asian Network, Bristol-Myers Squibb. Acting as moderator for the evening was DVC Chapter President, Dr. Eleanor F. Small, who works for Johnson & Johnson's Consumer Health Division.

The attendees heard valuable views and insights from the esteemed panelists on discussion topics such as:

- The image they tried to project of their professional self and how it changed from their first five years to their most recent five years
- Their biggest challenge for work/life balance, and what they did to tackle it

- Is work/life balance achievable if the aspiration is to get to C suite level
- What companies are doing and what should companies be doing to ensure proper gender and diversity balance/development/promotion in the workplace
- The most valuable piece of advice each received that made an impact on their respective career
- Action(s) that we all should take, as individuals, to support diversity in the workplace

The topics generated interesting and very informative interactive exchanges with the attendees. The panelists provided excellent guidance, suggestions and advice for all to contemplate and integrate into their own careers. The energy of conversation flowed into a lively social period post-panel in which numerous one on one and small group conversations took place with the panelists, furthering the exchange of information and ideas as well as network building.

Our chapter is extremely thankful for the panelists' generosity of their time and for sharing their personal stories and career learnings. They truly made the evening an exceptional success. The DVC will be continuing its efforts to drive ISPE's mission of progressing gender parity, assist with the growth and education of our membership and sponsor programs to assist women in various roles in the pharmaceutical industry.

It should be noted that the beautiful Leeland Mansion on Fayette Street was the home of John Elwood Lee who made his first fortune in the development and manufacture of bandages, ligatures and surgical necessities, which was merged into the Johnson & Johnson company in 1905— an appropriate and inspiring venue for the gathering of today's Delaware Valley pharmaceutical professionals.



Moderator Eleanor Small and panelists from left to right: Kristen Duffy, Laura Flessner, Meryl Towarnicki, Jing Yang, and Rachel Haddock

HABITAT FOR HUMANITY VOLUNTEER DAY

By Bob Hoernlein

On Friday, December 7, the Delaware Valley Chapter lent their services to the Bucks County chapter of Habitat for Humanity. The DVC has been volunteering for this non-profit organization for many years.

With colder weather, the volunteers worked outside in high 40 degree temperatures. The team consisted of five ISPE DVC volunteers and one Habitat supervisor. The five ISPE volunteers were Dean Hammond of ABB, Inc. Erika Kucowski of Precis Engineering, Eve Phelps of Mainstay Engineering Group, Ann Storace previously with Jacobs Engineering, and me, Bob Hoernlein.

Mainstay Engineering Group donated a generous sponsorship of \$200 for this event to Habitat.

Currently under construction is a one-story home at 366 McKinley Avenue, in Morrisville, PA. The 3-bedroom, 1.5 bath totals 1,500 square feet and includes a front covered porch. Previously, the overall lot was wooded, except for one home which was demolished by the previous owner. Some trees, including stumps, were removed in

preparation for construction. The lot size is large enough to accommodate four homes; three of which are finished and occupied. Two of the homes were worked on previously by ISPE volunteers. This ranch has a private road/driveway. Behind it is a canal, many large trees and a wooded area.

The house we worked on is called a "Faith" house because many church groups have worked on it. There were many Bible verses written on many 2x6s of the framing. Eve wrote something from ISPE on one of the studs. A family of four will eventually own this home.

Our assignment was to nail Styrofoam insulation boards on the exterior plywood and tape all seams. These boards come in sheets 4' x 8' x 1/2" thick. Later, windows, doors and vinyl siding are installed over these boards. Inside, closed cell foam insulation will be sprayed between the studs giving a very good overall insulating value. We also attached wooden supports vertically around all four sides to temporarily support the roof trusses as they are being installed.

DVC supplied hot coffee and pastry to kick off the workday. We all took a well-deserved warm, lunch break at a local nearby Italian restaurant. Also, first time DVC volunteers received a volunteer sweatshirt in appreciation for their service.

If you have an interest in donating your time or would like to contribute to our ongoing support of this worthwhile organization, please look for DVC notices of future volunteer days.

We look forward to the next Habitat work day! If you are interested in working on a team, please contact Robert Hoernlein at: BobHoernlein@gmail.com



INTERESTED IN ISPE MEMBERSHIP?

Click [HERE](#) for more information.

AWARDS FROM ISPE ANNUAL MEETING

2019 ISPE Annual Meeting and Expo | Held at Caesars Palace in Las Vegas

In late October, the ISPE international Board of Directors presented the annual awards to our collective international membership. We are proud to announce that Delaware Valley Chapter was recognized for three separate awards!

Emilie Pelletier, an active member and past board member, along with co-authors Robert Dream, and Dr. Christoph Herwig, were awarded the Roger F. Sherwood Article of the Year for their article Continuous Manufacturing in Biotech Processes: Challenges for Implementation.

Dr. Dennis Gross, a long time board member and our current Chapter Secretary, was awarded the Joseph X. Phillips Distinguished Achievement Award for his lifetime contributions to ISPE and the industry as a whole. This award is not given out annually, but only upon occasion to recognize the extraordinary contributions of a recipient.

The **Delaware Valley Chapter** was selected as the **2019 ISPE Chapter/Affiliate of the Year** for the outstanding work our chapter has accomplished in areas of membership development, management, innovation, and industry and society support. This award recognizes the collective contributions of all of our members toward our local chapter, as well as our international community.

We would like to offer special thanks to Dan D'Aquila, our Co-Chair of Education, for his efforts in leading this award application. I would also like to thank Kristina Pumphrey, our immediate Past President, for her leadership in 2018-2019 which guided many of the activities which contributed to our recognition.

Please join me in congratulating our members Emilie and Dennis, as well as celebrating our chapter's accomplishments.

ISPE's Roger F. Sherwood Article of the Year award was established in 1993 to increase article submissions and improve the quality of those received. The award showcases the best content in Pharmaceutical Engineering magazine, increasing industry recognition, highlighting ISPE's reputation as a global knowledge leader, and bolstering magazine content quality. Congratulations to Emilie Pelletier along with co-authors Robert Dream and Dr. Christoph Herwig, who were awarded the 2019 Roger F. Sherwood Article of the Year for their article Continuous Manufacturing in Biotech Processes: Challenges for Implementation ▶



▲ The Affiliate and Chapter Excellence Award recognizes the outstanding work of the International Affiliates and Chapters as reflected by membership development and services, management, industry and society support. This award recognizes the collective contributions of all of our members toward our local chapter, as well as our international community. Delaware Valley Chapter is the 2019 winner.



◀ This award honors an ISPE member who has made a significant contribution to the industry. Named in honor of Joe Phillips, longtime supporter of ISPE and a leader in establishing the Society as an "integrator" of industry and regulators, both during his years of service with the FDA and later when he became International Regulatory Affairs Advisor to ISPE, this award is given infrequently to recognize the extraordinary contributions of its recipients. This award is not given out annually, but only upon occasion to recognize the extraordinary contributions of a recipient. Congratulations to Dr. Dennis M. Gross on receiving this award in 2019.

FUTURE CITIES COMPETITION

2019-2020 theme: Clean Water: Tap Into Tomorrow

ISPE DVC is a long-time partner of the Philadelphia area's Future Cities Competition, held for 6th, 7th and 8th grade students. The students imagine, research, design, and build cities of the future that showcase their solutions to a citywide sustainability theme.

DVC provides monetary sponsorship and judge for a special award entitled the ISPE DVC Chuck Clericuzio Award for Innovation in Healthcare. This year's winner was Pierce Middle School. In addition to the competition, the DVC takes part in the students' engineering fair where the chapter presents an activity to help middle school students learn more about engineering and design, providing them a glimpse into the professional lives of ISPE members.

Each year, a few schools are selected to present their models at DVC's annual symposium. Not only does this expose students to ISPE at an early age, our members are always invigorated from the questions and excitement of the

students. As we have done for many years, we have invited Future City schools to our annual exhibition in Philadelphia. They include:

1. Downingtown Middle School - Drexel Hill, PA *2nd Place Overall*
2. Lionville Middle School - Exton, PA *1st Place Overall*
3. Pierce Middle School - West Chester, PA *DVC ISPE Innovation in Healthcare Special Award Winner*
4. Radnor Middle School - Radnor, PA *Philadelphia ISA Automation Special Award*
5. St. Aloysius Academy - Bryn Mawr, PA *KG PMP First Winners*
6. St. Andrew School - Drexel Hill, PA *Honorable Mention*
7. St. Cecilia School - Philadelphia, PA *Honorable Mention*
8. St. Mary Interparochial School - Philadelphia, PA *ASME & NA Women in Construction*



EVENT RECAP

YP EVENTS - JANUARY LUNCH AND LEARN [WEBINAR #1]

In January, the Young Professionals committee held their first ever lunch and learn. These lunch and learns are intended to be broad and high level, and appeal to a variety of attendees.

The presenter for the January 14 event was Dr. Dennis Gross, current Chapter Secretary. For 29 years, Dennis was the Senior Director and Head of West Point Business Operations at Merck. Dennis also serves as a professor and an adjunct professor at a number of prestigious institutes and at Florida A&M University. During the lunch and learn, Dennis walked attendees through the history of GxPs in a way that was very informative and entertaining, including real-world examples of the consequences of not implementing GxPs.

Read more about the lunch and learns on page 9!

Save the date!
Same great event, new location!

27th Annual ISPE DVC Annual Golf Classic will be held on October 5, 2020 at North Hills Country Club.

DRAFT ANNEX 1 – WHAT IT MEANS TO STERILIZATION AND MOIST STEAM QUALITY

September Program

The Presentation on the Draft Annex 1 - What It Means to Sterilization and Moist Steam Quality was a strong topic to kick off the program season and we were very fortunate to have Walid El Azab as our speaker.

Walid's position on the governing Committee allowed our attendees to learn directly regarding the committee's decisions and concerns on several key topics related to sterilization of goods and product. Several questions were raised and answered by our speaker.

Walid gave this presentation at the ISPE Annual Meeting and was a great addition to our program events for ISPE DVC.



Attendees network at the September program

SINGLE-USE VERSUS STAINLESS STEEL SYSTEMS — OR ARE HYBRID FACILITIES THE BEST OF BOTH WORLDS?

November Program

Lindsay Smart of ZETA joined us at the Doubletree in Plymouth Meeting for a discussion on Single-Use Versus Stainless Steel Systems — Or Are Hybrid Facilities the Best of Both Worlds?

In his presentation, Lindsay discussed how the pharmaceutical and biotechnology industries are constantly facing critical time and cost pressures when designing for new product developments. New biopharmaceutical production facilities need to minimize the product time-to-market while also providing flexibility and modularity.

Often calling for single-use technologies (SUT), these facilities may be better approached using a hybrid solution with customized single-use and stainless steel systems offering the best of both worlds.

Currently serving as Business Development Manager at ZETA GmbH, Lindsay's expertise is drawn from over 25 years of commercial and technical experience within the pharmaceutical and biotechnology industry. As part of

ZETA's global expansion strategy, Lindsay is tasked with instigating and facilitating the start-up of ZETA's US office – their first outside of Europe – to offer their clients an in-market service. This valuable experience allowed Lindsay to engage the audience with case studies of several projects carried out by ZETA during recent years to support his thoughtful discussion of the advantages offered by next-level hybrid single-use systems.



Speaker Lindsay Smart with Marvin Royal

Click [HERE](#) to see the entire photo collection from this event.



Attendees at the November program

VIRTUAL LUNCH & LEARN SERIES

A Series of Three Webinars | Hosted by Dr. Dennis Gross

The past months have brought a sea change to many of our daily lives as the impact of the continued spread of the novel coronavirus SARS-CoV-2 [Covid-19] has altered how we work, where we work and how we recreate as communities around the world attempt to slow its spread and flatten the curve.

To provide some actionable information to our DVC members, we presented a series of noontime Lunch & Learn seminars by Dr. Dennis M. Gross. Dr. Gross is the Chapter Secretary and a longtime ISPE member, having worked at Merck for 29 years. Currently he is the CEO of the Pennsylvania Drug Discovery Institute but also Adjunct Associate Professor of Pharmacology and Experimental Therapeutics at the Sidney Kimmel Medical College of Jefferson University and Adjunct Professor of Basic Sciences at Geisinger Commonwealth School of Medicine.

Over three sessions in April and May, Dr. Gross presented information to attempt to fill the knowledge gaps.

The sessions addressed:

1. Immunology 101 for the Non-Biologist (April 9)
 - What is the immune system?
 - What is immunology?
 - How does immunity work?
 - What is an immune response?
2. Vaccines (April 23)
 - History
 - Case studies
 - Manufacturing case studies
 - Clinical testing of vaccines: How is it done
 - Future of vaccines

3. Anti-Viral Agents (May 7)
 - History
 - Classes of drugs
 - Yes, Clorox® can kill viruses like Covid-19 on your countertop but it is still a bad idea to gargle with it
 - Future

Stay tuned for our next lunch and learns!

WRITE IT DOWN!

If you would like to be published in ISPE Matters, please send your articles or ideas to us for consideration in the next issue.

All prospective articles should be emailed to Michelle Santoro or Tieg Murray Rustam at MAC@ispedvc.org

RESCHEDULED!

INTERPHEX AT JAVITS CENTER, NYC | RESCHEDULED TO APRIL 20-22, 2021

Each year, ISPE DVC gives back to its members by providing a free bus service from Blue Bell, PA to INTERPHEX (Javits Convention Center, NYC) and back. Complimentary tickets are on a first-come, first-served basis! Limited to the first 48 ISPE DVC member registrants! Light refreshments and snacks will be provided on the bus.

Stay up-to-date on INTERPHEX show dates and info [HERE](#).

EVENT RECAP

COLD WFI GENERATION & DISTRIBUTION IN PHARMA

This presentation, given by Robert Vecchione, Vice President and Managing Director, BWT Pharma & Biotech, was great for engineers, operators and managers involved in design and operation of water purification systems for facilities.

Robert's presentation covered:

- WFI water quality requirements
- Current methods to produce WFI
- New monograph change in the industry
- EMA Q&A document on membrane produced WFI
- Approaches to WFI by membrane designs
- Current methodology for tank and loop sanitization
- CapX and OpX comparison of membrane technology systems
- Current case studies of Install Base.



MY EXPERIENCE AT THE ANNUAL ISPE NATIONAL CONFERENCE

A Young Professional's Point of View: By Ivana Vukancic, Assoc. AIA, LEED Green Assoc., IPS Architectural Designer

The IPS Emerging Professionals group was fortunate to get the chance to attend the Annual ISPE Conference in 2019. Our goal was to learn from the experience, network, gain some knowledge on the latest updates in the biopharma industry and to share our experience with IPS, especially our young professionals. To get the most out of our experience, every member of our group was partnered with a mentor to shadow during the conference.

It is events like these that give us a chance to grow as young professionals through networking, learning from educational sessions and by just talking to our more experienced peers. I am grateful to have gotten the chance to create some of those connections at this conference.

From my experience at the ISPE conference, not only did I learn about the latest in biopharma, but I got a glimpse of the professional world as a whole. As I was talking with my mentor, Jason Collins, I learned what to expect and take away from these experiences, what to focus on, and how to approach certain things. I tried my best to go to as many sessions as possible to gain more knowledge of our industry, but what really took me by surprise were the presentations by the keynote speakers. It wasn't only knowledge that I took away from those presentations, it was something much more than that. My motivation and passion towards what we do as a company grew every minute throughout those presentations.

One presentation in particular that captivated me, was by Amicus Therapeutics CEO, John Crowley. As Mr. Crowley shared his personal story about the drug company he founded through his struggles and his determination to save his children's lives, who were diagnosed with Pompe disease, made

me realize the real reason and the importance of the work we do at IPS. At the end of the day, it is the patients we are doing this work for, the people who are struggling with various diseases, and are waiting to be cured by a drug that our clients produce. We don't get the direct contact or connection with the patients at our work, so sometimes we forget what we do all this work really for, but we need to be reminded that the work we do, helps get medicine to cure and even save many people's lives.

After being so captivated by Mr. Crowley, our Emerging Professionals group is planning to roll out throughout the company to remind everyone regularly of those important reasons why we do what we do at IPS. If anyone is interested in Mr. Crowley's life story and how he was able to help save his children's lives and many other children who are diagnosed with Pompe disease still to this day, please watch the movie *Extraordinary Measures*. It is a moving, motivational and captivating movie that tells the whole story. It will make you feel better about the work you do.

As we talked about the presentation afterwards and about the work we do at IPS, I can confidently say that I feel fortunate to work for a company where I know our leaders really care about the work we do and to do it the best way we can.

On the more educational side of things, I learned more about what really interests me: cell and gene therapy. It is a growing field and after talking to some of our peers from IPS, it seems that we will be paying attention and trying to gain more insight and knowledge in this field, which is very exciting. There are a lot more exciting new things coming our way in our industry as technology progresses, such as Pharma 4.0, and

we need to keep an open mind and be willing to learn and adapt to those new changes.

What I took away from the conference from a young professional's perspective, is it is very important to know and gain as much knowledge as possible in the field we work in and to find ways to do it better. It is also very important to create connections with people that you know can bring value to your work and the company, which is why networking at any event is very important. I would like to encourage all our young and experienced professionals to participate in as many events as possible. The IPS Emerging Professionals group will be working to organize some local events.

At the end of it all we always need to be reminded of the main reason why we do what we do, to keep asking ourselves who we are helping and know that with passion and determination, we can make a difference in people's lives.

This was my experience, but by having the opportunity to talk to many more experienced leading professionals at the conference, I took the initiative to interview some of them and get their take on what their experience was like and what they took away from it.

SOCIAL NETWORKING

DVC members are invited to join our group on LinkedIn for event notifications, networking and information sharing. Find us at ISPE-DVC on LinkedIn, Facebook, and Twitter or click below:



WELCOME NEW ISPE DVC MEMBERS!

January 2020 - April 2020

Lindsay Arnold
Kite Pharma

Matthew Beauchamp
Merck & Co.

Sidney Biddle
SNC Lavalin

Danielle Bush
Merck & Co.

Rob Cisler
IPS

Shannon Condon
GlaxoSmithKline

Michael Coraluzzi
IPS

Tisha Cromwell
GlaxoSmithKline

Monica Dimps
GlaxoSmithKline

Paige Ehrl
ABEC

Alfonso Fasano
Fedegari Technologies, Inc.

Seth Greber
GlaxoSmithKline

Tim Gwinn
CRB

James Haag, III

James Hunt
Testo North America

Sandra Kalanyan
EwingCole

Amy Kawazoe
GlaxoSmithKline

Erika Kucowski
Precis Engineering

Jenna Kyser
GlaxoSmithKline

Sampson Larbi
Bausch Health Companies

Taylor Lohneis
GlaxoSmithKline

Marc Lubenetski
Emerson Automation Solutions

Joseph Manalo
Quotient Sciences

Hien Moeluis
Janssen Biotech

Henry Morris
SNC Lavalin

Amy Nellis
GlaxoSmithKline

Raymond Niccolo
IPS

Brian OSullivan
AstraZeneca

Jennifer Otero

Michael Partington
Temple University

Tulsi Patel
IPS

Joseph Phillips
CRB

Saroj Ramdas
GlaxoSmithKline

Salvatore S. Rayca
Hydro Service & Supplies Inc.

Amy Rice

Emily Rogers
CleanSpace, LLC

Thomas P. Scangarella

Maximilian Bernhard Schneider
Bilfinger Industrial Services Inc.

Veronica Shanebrook
IPS

Leta Sledge
Delta Project Management

Frank Srogota
Anchor Pump and Engineered Equipment

Jason Teets
PCI - Cleanroom Contracting

Glenn VandeGrift
CleanSpace, LLC

Anthony Vizza
AES Clean Technology Inc.

Zach Wallace
West Pharmaceutical Services

Jeanette Whitehead

Tyler Wickstrom
Hargrove Life Sciences

Jeffrey Wigton
Merck & Co.

ADVERTISE WITH US!

Interested in advertising for our next program year? ISPE Matters is the perfect spot for advertising your business! We reach the heart of the pharmaceutical industry in the Delaware Valley. The standard ad cost is \$250 and will be printed in all issues this year.

If you are interested in advertising in ISPE Matters, please contact:

Michelle Santoro or Tieg Murray
Rustam at MAC@ispedvc.org

MEMBER MILESTONE ANNIVERSARIES January 2020 - April 2020

35 Years

John Cocco
Retired

James Dolceamore
Retired

William Garvey
Garvey Corporation

Ernesto Renzi
IMA Life North America Inc.

30 Years

Francesco Brizzi
Timespace LLC

Joseph Busfield
Pharmaceutical Technical Services

Arch Chawla
AIV Solutions

William Dugary
Applied Control Engineering

Mark Rezac
IPS

Jonathan Rogers
Johnson & Johnson

Michael Smith
Techniserv, Inc.

Murray Sterling
Precis Engineering

Brian White
IPS

William Wiederseim
PharmaBioSource

25 Years

Elliot Adoff
Jacobs Engineering Group

Howard Bensel, II

Vincent Cebular
IPS

Mary Cooke
Corden Pharma Colorado

Paul Edson
Johnson & Johnson

Ernest Girvin
GlaxoSmithKline

Larry Gould
Bala Consulting Engineers

Charles Johnsrud
Johnsrud & Associates Architects

Daniel Lobb
Compliance Technology Group

David Marks
O'Neal, Inc.

Kevin Martin
Azzur Group LLC

Patrick McLaughlin
CSL Behring

Thomas McLoughlin
Xerimis Inc.

Robert Myers
Pfizer

Gary Nienaber
IPS

J. Richard Orton
PES / JSC (JnJ)

Robert Stotz
Siemens Healthcare Diagnostics

Peter Tubolino
Siemens Building Technologies

Alex Walker
Teligent

Steven Wattenmaker
Compli LLC

Michael Yacuboski
Sanofi Pasteur

20 Years

Malcolm Batten
Cockram Construction

Michael Bauer
Barry-Wehmiller Design Group, Inc.

Eric Bohn
JacobsWyper Architects

Daniel Brown
AztraZeneca

Thomas Bryant
Sanofi Pasteur

Samuel Colucci
Precis Engineering

Wayne Fearn
ILC Dover Inc.

Robert Forbes
Jacobs Engineering Group

Charles Gentile
Sanofi Pasteur

Diane Husted
Merck & Co.

Paige Kane
Merck & Co.

Denise Kresge
CRB

Michael Lloyd
M Davis & Sons Inc.

Philip Lyman
CRB

Daniel Mahan
Bristol-Myers Squibb

Matthew McMenamin
GlaxoSmithKline

Michael Mothersbaugh
Rees Scientific Corp

Michael Politi
CRB

Gregory J. Sam
GSam Consulting LLC

Paul Schank
Spark Therapeutics, Inc.

Vinod Shah
BV Solutions Inc.

Brian Sherry
Janssen Pharmaceutical

Scot Shultz
CE&I Inc.

Gregory Spotts
Pfizer

Robert Sterling
Centria Inc.

Jonathan Van Hoose
Global Aseptic Process Solutions, LLC

Chad Wachter
GlaxoSmithKline

John Weinheimer
RPA Engineering

15 Years
John Adams
Spark Therapeutics, Inc.

Mark Bellino
Precis Engineering

Laurent Capron
Sanofi Pasteur

Andrew Carroll
Bayer Corporation

Gary Custis
First Pharma Consultants, LLC

Mark DeCrosta

Kari Donovan
Precis Commissioning, Inc.

MEMBER MILESTONE ANNIVERSARIES (cont.) January 2020 - April 2020

Gemma Doyle
Horizon Controls Group

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Jorge Ferreira
Jacobs

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Sanofi Pasteur

Seth Goudie
GSK Vaccines

Trista Hager
AES Clean Technology

Andrew Harris
Jacobs

Jack Hoff
Laminar Flow Inc.

Brian Horowski
Wood PLC

Michael Lemons
Sanofi Pasteur

Alan Levy
Epee Consulting, LLC

Alexander Myers
GlaxoSmithKline

John Patterson
QACV Consulting

Kristina Pumphrey
Precis Engineering

Aaron Raudabaugh
Merck & Co.

Ryan Rentschler
Freund-Vector Corp.

Chris Romich
Valspec

John Sorantino
M Davis & Sons Inc.

Michael Stevens
Jacobs Engineering

Paul F. Valerio
IPS

10 Years

Jeff Beck
AT Chadwick Co.

Martin Bretschneider
Hargrove Life Sciences

Jamie Doran
JacobsWyper Architects

Jessica Miller
Merck & Co.

Robert Olivero
PharMeridian LLC

Emilie Pelletier
Laporte Consultants

Ellen Sisle
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A.J. Speicher
Borton-Lawson Engineering

Brandon Stiff
Merck & Co.

Victor Virginio
Sharp Packaging Solutions

Steve Zarichniak
Honeywell

5 Years

Matthew Archey
Borton-Lawson Engineering

Edward Bauer
Pkg. & Technology Integrated Solutions

Jason Buckley
M Davis & Sons Inc.

Andrew Christofides
Jacobs Engineering Group

Steven Cook
AstraZeneca

Peggy Del Fabbro
M Davis & Sons Inc.

John Donohue, III
Janssen Research & Development

Mark Drago
Merck & Co.

Wolfgang Ebel
Eisai

Sean Fadden
Merck & Co.

Christina Furia
Laporte Consultants

Tami Harnish
AstraZeneca

Ann Marie Hershey
GlaxoSmithKline

Travis Imhof
Sartorius Stedim North America

Nicholas Kirian
Adaptimmune LLC

Tim Kozo
Janssen Pharmaceuticals

Karl Kressley
M Davis & Sons Inc.

Stan Kushy
WIKA USA

Johan Kvist
EwingCole

Shravan Kumar Nadipalli
Laporte Consultants

Julia O'Neill
Direxa Consulting LLC

Stephen Orosz, Jr.
Spark Therapeutics, Inc.

Prakash Patel
Sigmapharm Laboratories LLC

Deva Puranam
Mylan

Charlyn Reihman
SafeBridge Consultants Inc.

Sabrina Restrepo
Merck & Co.

Ed Roman
Sanofi Pasteur

Gus Ruggiero
Johnson Matthey

George Ruiz
AstraZeneca

Joseph Russo, III
Valsource Inc.

Jennell Saylor
Octapharma Plasma Inc.

Ryan Schmid
Compliance Technology Group, Inc.

Edith Senderak
Johnson & Johnson Consumer

Randy Smith
Netzsch Premier Technologies

Jeffrey Steigerwalt
Bilfinger Industrial Services

Kevin Swartz
IPS

Ryan Tudor
Lannett Company, Inc.

Bryan Winship
Jubilant Cadista Pharmaceuticals

James Wright, Jr.
AstraZeneca

Herb Yocum, Jr.
Sharp Packaging Solutions

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