POLISH-AMERICAN ENGINEERS ASSOCIATION

FOUNDED



In 1934

P.O. Box 241, Northbrook, IL 60065-241, USA • www.polishengineers.org

All members and friends of Polish-American Engineers Association are cordially invited to attend our meeting.

DATE: Friday, November 20th, 2020

TIME: Business Meeting begins 8:00 p.m.; Presentation to follow immediately

PLACE: virtual meeting via **Zoom** (not Skype, as before):

https://us04web.zoom.us/j/7021331458?pwd=ai9IMWc3K2IrMFNUSU9IeEkrWFJidz09

Meeting ID: 702 133 1458

Passcode: CQQ1P0

SPEAKERS: Dr. Bohdan W. Oppenheim

TOPIC: Lean Healthcare Systems Engineering Process for Projects in Healthcare

Delivery Operations



Dr. Bohdan W. Oppenheim

Dr. Bohdan "Bo" W. Oppenheim was born in Warsaw, Poland. He escaped from communism to the United States as a political refugee in 1971.

His professional background includes healthcare, engineering, systems engineering, and Lean. His degrees include a PhD (1980) from University of Southampton, U.K.; a Naval Architect's postgraduate degree (1974) from MIT; an M.S. (1972) from Stevens Institute of Technology in New Jersey; and a B.S. (equivalent, 1970), from the Warsaw Technical University, Mechanical Engineering and Aeronautics ("MEiL").

Since 1982 at Loyola Marymount University, Los Angeles; Dr. Oppenheim has

held the following positions:

- Professor, Director and creator of Healthcare Systems Engineering 2013-present
- Professor of Systems Engineering 2004-present
- Professor and Graduate Director of Mechanical Engineering 1995 2009

His areas of specialization include: Healthcare Systems Engineering, Lean Healthcare Systems Engineering (LHSE) process, Lean Healthcare, productivity, quality, resiliency, systems engineering; and formerly: dynamics, signal processing, vessel mooring simulators, and naval architecture.

He is also the founder and Co - Chair of the Lean Systems Engineering Working Group of INCOSE and leader of the Prototype team developing Lean Enablers for Systems Engineering (awarded INCOSE Best Product Award, and Shingo Award in 2010); the Director of the U.S. Department of Energy Industrial

Assessment Center (assessed 125 industrial plants for lean productivity, 2000 - 2007); a Member of the INCOSE Healthcare Working Group; the Coordinator of the MIT-based Lean Advancement Initiative Educational Network; and a Member of the Steering Committee of the Lean Education Academic Network.

Dr. Oppenheim is the author (with S. Rubin) of the POGO oscillation simulator for liquid rockets, which was used by the rocket industry and NASA, developed at The Aerospace Corporation. He is also the author of four professional books, 6 professional book chapters, 38 technical journal articles, as well as three non-technical books, 12 articles, and two TV programs. He has presented 30 workshops, tutorials, and webinars on Healthcare Systems Engineering; another 25 on Lean Enablers for Systems Engineering; and 13 workshops, tutorials and webinars on Lean Product Development Flow. He has been invited as a guest lecturer in Canada, China, France, Germany, Israel, Italy, Netherlands, Poland, Sweden, United Kingdom, and the United States.

He is a member of INCOSE, LAI EdNet, and formerly ASEE, ASME, ISOPE, and SNAME. And he has been awarded \$1,922,000 in externally-funded grants.

His Industrial experience (full or part time) includes: Aerospace Corporation (1990 - 1994), Northrop (1985 - 1990), Global Marine Development (1974 - 78). He was also a consultant to: Northrop - Grumman (2007 - 2008), Boeing (2001 - 2004), Airbus (2005), Telekomunikacja Polska (2006 - 2008), Mars (2007 - 2008), and 50 other firms and governmental institutions in the U.S. and Europe.

Some of his awards and recognitions include: the Fulbright Award, 2011; Fellow, INCOSE and IAE; Awarded Best Engineering Teacher by the Los Angeles Council of Engineers and Scientists, 2008; Shingo Awards 2011, 2013, 2017.

Dr. Oppenheim lives in Santa Monica, California, and Warsaw, Poland. He has two married sons. His interests include sailing (he holds a U.S. Coast Guard Captain's License; ocean sailor); and collecting modern Polish art.

https://cse.lmu.edu/media/lmucse/departments/healthcaresystemsengineering/Oppenheim-CV-Feb-2020_V3.pdf

ABSTRACT

The presentation will describe a new powerful generic process named Lean Healthcare Systems Engineering Process (LHSE). It integrates selected and simplified systems engineering steps and Lean in the context of healthcare delivery applications.

Operational fragmentation is one of the biggest evils of healthcare operations, suffering from numerous imperfect interfaces between stakeholders. Systems engineering (SE) is the established body of knowledge for integrating fragmented elements across interfaces, but it suffers from inefficient and wasteful bureaucratic steps which prevent wide adoption in healthcare.

Lean is a powerful methodology for identifying and removing waste from workflows, but is not effective in dealing with fragmentation. A combination of Lean and strongly simplified systems engineering has addressed the above deficiencies.

LHSE is a logically rigorous but non-mathematical process that is easy to learn and practice and applies to any project in healthcare delivery operations in clinics, hospitals (including operating rooms and emergency departments), medical laboratories, and pharmacies. It has proven itself in several projects and met with praises from practitioners.

PAEA Announcements

MEETING LOCATION

Due to the current situation with COVID-19, our May meeting will be held virtually, via Zoom (not Skype, as before):

https://us04web.zoom.us/j/7021331458?pwd=ai9IMWc3K2IrMFNUSU9IeEkrWFJidz09

Meeting ID: 702 133 1458

Passcode: CQQ1P0

The meeting can either be accessed via:

- 1. a <u>browser</u>, by clicking on the link and choosing 'download & run Zoom.' You should then get an option to 'join from your browser.' Note: using Zoom through a browser has limited capabilities- it is recommended to download the Zoom application for the best experience. Also note: if you already have the Zoom application on your computer, you will not get the option to 'join from your browser;' but the link will launch the Zoom application.
- 2. the **Zoom application** needs to be installed on the computer (https://zoom.us/support/download or the meeting link above to download; https://zoom.us/download#client_4meeting for download options for platforms in addition to PC). More instructions are available at: https://support.zoom.us/hc/en-us/articles/201362193. Note: you do not need to sign up for a (free) account to join via the Zoom application.

Note that, as we are using a free version of Zoom, the meeting time may be limited to 40 minutes. Our September meeting did not get interrupted. However, if the meeting is interrupted after that time, we will simply have to re-join to continue our meeting.

2020 Membership Dues

There is no change in dues for 2020: \$70 per year, senior citizens and students \$35 per year.

We ask that everyone pay their dues as soon as possible, as this is our source of operating funds. Thanks to those who have already paid! Membership Cards will be provided to all those who paid their dues.

Questions? You may inquire at the meeting or send an email to: <u>administration@polishengineers.org</u>
You may send your dues (checks payable to the Polish American Engineers Association) to:

Mr. Andrew Pawlowski P.O. Box 241 Northbrook, IL 60065-241

You may also pay your dues at our meetings (once we re-start face-to-face meetings), and receive your Membership Card immediately.

Again, dues are critical in supporting the work of the PAEA- thank you for your support.

Ralph Modjeski Scholarship - Update

We had originally planned to award our 2020 Ralph Modjeski Scholarship at our meeting in December. However, as we had extended the application deadline this year, we need more time to finalize the process. Therefore, we will announce the winner at our next meeting (scheduled for January 15, 2021).

Donation - Mrs. Lucyna Behr

We would like to thank Mrs. Lucyna Behr for her generous donation to our Ralph Modjeski Scholarship fund! We are very grateful for all donations, and efforts supporting our Scholarship fund. Especially in this difficult time, when we unable to hold the events which support our Scholarship fund, we are grateful for Mrs. Behr's support. And we appreciate that making donations when one's own future may be uncertain takes a special commitment- we thank Mrs. Behr for that commitment to support our Polish / Polish-American technologists of the future.

Donation - Mr. Stanley Witczak

We would like to thank Mr. Stanley Witczak for his continued support of our Ralph Modjeski Scholarship fund, with another generous donation! As in years past, Mr. Witczak's generosity, including a match by his company, ITW, covers one of our scholarships!

As always, we are very grateful for Mr. Witczak's generous, regular donations. They help enable us to fulfill our mission, providing support for the Polish / Polish-American technologists of the future. But we are especially grateful for his commitment and support in this uncertain time.

Member News/Update

We would like to remind everyone that we are looking for achievements of as well as other noteworthy news about our Members (that's you!). Please send us information about yourself or another Member (please ensure they agree to have this information publicized) to contact@polishengineers.org. We will publish in the next Bulletin available.

Krzysztof Kompiel Promotion

We would like to congratulate our PAEA Secretary, Krzysztof Kompiel, for his recent promotion! And of course, we would like to thank him for his service to the PAEA.

Krzysztof has worked for many years at Fermilab, in Batavia, IL (helping us get a special tour of the facility, as well as several speakers). Not long ago, he completed his Master's Degree in Energy Engineering at the University of Illinois at Chicago. Please join us in congratulating Krzysztof on his well-deserved promotion!

Job Postings - Please Send

As part of our mission of mutual support, we would like to offer job openings to our Members. Please send any openings you know about to contact@polishengineers.org. Please let us know where it is OK to post (our website in Members Only, our public page; Facebook, LinkedIn pages, etc.

We would also like to post on our website (in the Members Only section) links to job listings of companies in our network. So please send those as well. We would like to list your name next to the link, so those applying through those links can have a reference person to cite. Please let us know if you would rather not be listed.

Thank you in advance to taking time now to send us this information, which supports our common mission!

Reminder- Polish American Engineers Association on LinkedIn!

We would like to remind our Members & Supporters that the PAEA is on LinkedIn:

www.linkedin.com/groups/12032140

Check out our Group, become a member, and post interesting and relevant content. The more active we are, and the more interesting information we post, the more likely we are to attract others to our Group, in addition of course to the benefits of inter-Group communication.

Reminder- the Polish American Engineers Association on Facebook

We would also like to remind our Members & Supporters that the PAEA is on Facebook:

https://www.facebook.com/Polish-American-Engineers-Association-PAEA-1153830014674800/

Please check it out, and help us keep it active by 'like'-ing and posting interesting material.

Next Meeting Date

15 January, 2021

Corrections

None highlighted.

Special Interest

If anyone has an item of Special Interest to the PAEA Membership and sympathizers, please sent the details to contact@polishengineers.org for inclusion in the next (monthly except for June-August & December) published Bulletin.

Polish American Congress of Illinois Events Calendar

For a comprehensive and up-to-date listing of events in Polonia, please see the PAC-IL Polonia Calendar (many thanks to Mirek Niedzinski, Roman Korczak and the PAC-IL team for leading!):

https://www.pacillinois.org/calendar/

Copernicus Foundation Request for Support

The Copernicus Foundation is requesting Polonia support for their bid to purchase a property adjacent to theirs, from the City of Chicago. Below is the content of an email we recently received, with more details about what each of us can do to help (by signing their petition).

Please consider supporting them (in the spirit of mutual support, as is part of our mission); as they support many Polonia organizations; and hosted our meetings for many years.

Dear Polish Engineers,

As you might know, the Copernicus Foundation is trying to buy the abandoned firehouse at 4841 N. Lipps from the City of Chicago in a negotiated sale. The Foundation would renovate the property keeping its historic façade and having it be part of our campus. The Copernicus Foundation is willing to pay \$300,000 for the property which the city appraised at \$208,000.

Sadly, the city appears to be accepting an offer from an outside developer, 4841 N. Lipps LLC (Ambrosia Homes) who will only be paying \$1 for the property. There are a number of steps that have to be taken before that sale is final, so we are asking for your support in trying to stop the sale.

Please sign our petition at www.FightForTheFirehouse.com and express your support of the Copernicus Foundation. The site will also allow you to send an e-mail directly to your Alderman asking him not to vote for the negotiated sale of the firehouse to 4841 N. Lipps LLC.

<u>Please pass this information along to any of your friends and colleagues and share it on your social</u>
<u>media!</u> This will show Mayor Lightfoot and the Aldermen that our community supports the Copernicus
Foundation in its endeavor to develop this property in the best interests of the many communities we serve.

Thank you,

Alina Bosak Event Coordinator Copernicus Foundation 773-313-3893



Lira Soloist Sings Polish Mass Every Saturday & Sunday - On Line

The Lira Ensemble of Chicago invites all PAEA Members and sympathizers to enjoy weekly mass, sung by Lira soloist Ewa Kowacz-Fair, at Saturday Polish Mass at St. John Brebeuf Church in Niles, at 6:30pm. The mass is also broadcast 'live' on Facebook; and is rebroadcast on YouTube every Sunday at 12:30pm.

Details for access on line are as follows:

ON SATURDAYS AT 6:30PM:

GO TO www.sjbrebeufniles.org & scroll down the home page to POLISH MASS

ON SUNDAYS AT 12:30PM:

GO TO YouTube St. John Brebeuf Niles & scroll down until you see the Polish Mass of the day

The Lira company also invites PAEA Members and sympathizers to enjoy an audio-only concert honoring the 100th Anniversary of the Birth of St. John Paul II, available for free on the Lira Ensemble website until the end of the year:

GO TO www.liraensemble.org & scroll down the home page to the photo of St. John Paul II.

The concert consists of sacred music sung in Polish, English and Latin, to celebrate the Polish pope; written by both Polish and American composers, and performed by the Lira Singers female ensemble and the Lira Chamber Chorus of both male and female voices. There is a choice of concert narration in English or in Polish.

www.polishengineers.org