
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, April 16th, 2021
- TIME:** Business Meeting begins 8:00 p.m.; Presentation immediately following
- PLACE:** virtual meeting via Zoom: <https://auburn.zoom.us/j/85101941648>
Or Telephone: Meeting ID: 851 0194 1648
Dial: +1 312 626 6799 (US Toll)
- SPEAKER:** Mr. Witold Kluza
- TOPIC:** Merging Drone Photogrammetry and Underwater Multi-Beam Scanning for Scour Critical Bridges
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Mr. Witold Kluza

Mr. Kluza graduated from the University of Illinois at Chicago in 2003 with a B.S and M.S in Civil Engineering, with an emphasis in Structural Engineering. Between 2002-2003 Mr. Kluza worked for Lorig Construction and was involved with the construction of bridges throughout the Chicagoland area. Mr. Kluza joined the US Army Corps of Engineers in 2003, and is currently Technical Lead responsible for the successful contract award of multiple projects, with estimated construction cost of over \$75M.

Mr. Kluza specializes in challenging engineering designs, such as a 2-lane roadway for heavy vehicular traffic using micro-fiber concrete without steel reinforcement; a HS20 truck loading cellular confinement access road on the sand beach; large size precast and cast-in place concrete culverts; ADA accessible concrete pier structures; concrete termination point structures; 50-foot wide concrete service ramps with 12% slope; dam removal stream restorations; a clay levee with access road; clay dikes for CDF (confined disposal facility); canoe and boat launch pads; walkways and bicycle trails; and rubble mound shoreline erosion control structures. He performs cost estimates for feasibility-level designs, as well independent government estimates for contract awards according to USACE regulations. In addition, he oversees multi-million A/E contracts as a contracting officer representative (COR).

ABSTRACT

Alternative Care Facility (ACF) construction by U.S. Army Corps of Engineers Chicago District during COVID19 pandemic was necessary, with less than 30 days to provide 4,950 COVID-19 patient spaces. The presentation will provide a summary of the work that was completed last year during construction of 6 ACF

facilities. Westlake Hospital in Melrose Park, IL will be covered in detail. Please join the discussion about the engineering challenges / solutions and lessons learned.

PAEA Announcements

MEETING LOCATION

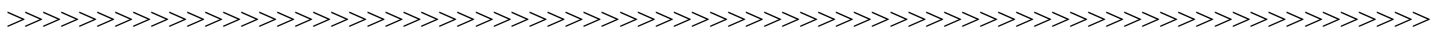
Due to the current situation with COVID-19, our April meeting will be held virtually, via Zoom:

<https://auburn.zoom.us/j/89740457576>

Connect using Computer/Device audio if possible.
Or Telephone: Meeting ID: 897 4045 7576
Dial: +1 312 626 6799 (US Toll) or +1 646 876 9923 (US Toll)

The meeting can either be accessed via:

1. a **browser**, 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.



2021 Membership Dues

Thanks you to those who have already mailed in their dues!

There is no change in dues for 2021: **\$70 per year, seniors and students \$35 per year.**

We ask that everyone pay their dues as soon as possible, as this is our source of operating funds. Membership Cards will be provided to all those who paid their dues; and will have to be mailed due to the COVID-19 Pandemic.

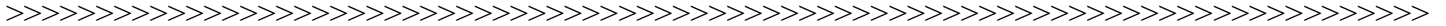
Questions? You may inquire during the meeting or send an email to:
administration@polishengineers.org

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.



2021 Ralph Modjeski Scholarship

We remind that we are accepting applications for our 2021 Ralph Modjeski Scholarship through the end of May, and we ask all PAEA Members and Sympathizers to help us get the word out to qualified candidates. More information is available on our website (www.polishengineers.org).

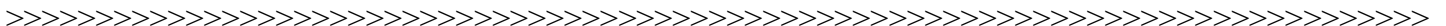
For 2021 and going forward, the Administration & Board voted to expand the eligibility criteria from what was in place since our 2019 update. The criteria will be as follows (our website will be updated in the next days to reflect):

Eligibility

1. Candidates must be pursuing an undergraduate or graduate degree in Engineering, Computer Science or Architecture in a university or college program accredited by the Accreditation Board for Engineering and Technology.
2. Students entering the sophomore year or above of their curriculum the following academic year (beginning the next fall).
3. Applicants must demonstrate excellent academic achievements as well as demonstrate commitment to engineering.
4. Previous scholarship recipients are not eligible.

Candidates will be evaluated by the Selection Committee on the following basis:

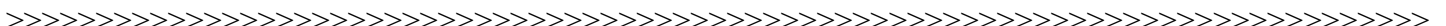
- Academic Performance
- Letters of Recommendation
- Essay Response
- Work experience or involvement in community and other extracurricular activities
- Preference will be given to students attending colleges or universities in the states of IL, WI, IA, IN, MI, MO and OH.
- Candidates of Polish descent are preferred
- Preference will be given to Members of the PAEA or the immediate family of a member in good standing.



2021 Summer Picnic

The PAEA Administration is exploring returning to our traditional Summer Picnic this year, should the situation support that it would be safe. Though no date is set, we are investigating dates in August.

This would be our first face-to-face gathering since the COVID Pandemic began in March 2020. We very much hope this will be possible. We will provide updates as they are available.



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.

Special Interest

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

Note that information provided is for Member & Sympathizer interest, and does not represent the views of the Polish American Engineers Association. Events listed are not in any way sponsored by the PAEA.

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/>

Interesting Article - Google Considering Poland for their Regional Hub

Thanks to our colleagues in our sister organization, Association of Polish Engineers in Canada, for an interesting article (in Polish) about Google considering making Poland its regional hub. We can be proud of how highly our Polish IT professionals are regarded. The article can be found through the following link:

<https://www.wnp.pl/tech/google-moze-zmienic-polske-w-hub-regionu,459613.html>

On-Line Presentation – The Biggest Cement Plant in Canada

Thanks also to our colleagues in our sister organization, Association of Polish Engineers in Canada, for sending information about a virtual presentation on the project for the biggest cement plant in Canada. The presentation will be in Polish, and take place April 14th at 18h00CDT. Below are the details as sent to us:

Stowarzyszenie Inżynierów Polskich – oddział Montreal, zaprasza na prelekcję

Inż. Henryka Nowodworskiego w języku polskim:

PROJEKT NAJWIĘKSZEJ CEMENTOWNI W KANADZIE

Inż. Henryk Nowodworski jest absolwentem Politechniki Warszawskiej, którą ukończył w 1973 roku na wydziale Budownictwa Lądowego. Pracował do wyjazdu do Kanady w 1974 w firmach budowlanych „Społem” i „Polkat”, a następnie w Biurze Projektowo-Badawczym „System”.

W 1974 roku po przyjeździe do Montrealu zaczął pracę w firmie „McMillan & Martynowicz” jako projektant papierni i fabryk tlenku glinu. Do chwili otworzenia własnej firmy Strudes Inc. w 1984 roku pracował dla biur projektowych: „Swan Wooster Eng. Co” i „Lafarge Consultants Ltd”, gdzie projektował papiernie, cementownie, rozdzielnie cementu i inne obiekty przemysłowe.

Od 1984 roku do chwili obecnej, to lata pracy we własnym biurze projektów: Strudes Inc. w Montrealu. Biuro to specjalizuje się w projektowaniu dla przemysłu ciężkiego, a w szczególności dla przemysłu cementowego. Strudes posiada wszystkie departamenty potrzebne do projektowania tj. budowlany, mechaniczny, elektryczny i instrumentacji, jak również nadzór nad wykonywanymi projektami. W przeciągu 37 lat istnienia firmy zostało zrealizowanych ponad dwa tysiące różnych projektów.

Wśród wielu prac zrealizowano kompleksowe projekty oddziałów, przeładowni, rozdzielni i całych cementowni. Największym projektem Strudes Inc. jest cementownia firmy McInnis. Zlokalizowana w Port Daniel-Gascons w Gaspé, Quebec. Cementownia ta ma przerób 2.3 miliona ton cementu rocznie. Została oddana do użytku w lipcu 2017 roku. Koszt budowy ok. miliarda dolarów.

Prelekcja będzie dostępna na ZOOM w dniu 14. kwietnia br. o godz. 19.00 (czasu montrealskiego)

<https://us02web.zoom.us/j/82033689687>

Meeting ID: 820 3368 9687

Można również podłączyć się telefonicznie na numer:

tel. # 647-558-0588

Serdecznie zapraszam w imieniu

ZARZĄDU S.I.P. w K.

Oddział MONTREAL

Bogusław Piltz

Przewodniczący

Lira Ensemble Chopin's Songs CD & New Video of Polish Song & Dance

The Lira Ensemble is looking for sponsors as well as customers for their upcoming Chopin's Songs CD, to be released in late April. The new CD features Lira's top soloists as well as the Ensemble's new accompanist, Marta Pasek, who holds a doctorate in piano from the Krakow University of Music (formerly the Krakow Academy of Music), one of the best music schools in Poland.

The Lira Ensemble has also made a new video of Polish song and dance available (for \$5 for 30-day unlimited viewing).

For more information on both, please see the Lira Ensemble website:

<https://liraensemble.org/>

Kosciuszko Foundation Staying Connected On-Line Program

The Kosciuszko Foundation announced their Staying Connected program, which is a series of on-line events, including conversations with prominent public figures, discussions, and lectures by distinguished scholars, authors, and leading experts, as well as music performances that are to be streamed via Foundation's social media channels. For more information please see:

https://www.thekf.org/kf/events/KF_Online_Programs/

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.

Please pass this information along to any of your friends and colleagues and share it on your *social media*! 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



www.polishengineers.org