
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, October 19th, 2018

TIME: Doors Open 7:30 p.m.; Business Meeting begins 8:00 p.m.

PLACE: Our Lady Mother of the Church
8747 W Lawrence Ave.
Chicago, IL 60656

SPEAKER: Mr. Christopher Staszell

TOPIC: PHinally Done! An Exploration of Graduate Applications in Mechanical Engineering



Mr. Christopher Staszell

Christopher Staszell is a doctoral candidate in mechanical engineering at the University of Illinois in Chicago. He obtained his Bachelor of Science in Physics from Loyola University in 2014, and decided to pursue a complementary degree in engineering. Under Distinguished Professor Alexander L. Yarin, he conducts research within the Multiscale Mechanics and Nanotechnology Laboratory, and is set to defend his thesis by the end of the academic school year.

Christopher's thesis entails polymer textiles and nonwovens, and their applications in the automotive industry. Additionally, he contributes to research in boiling heat-transfer. The progression of his work has been presented at several industrial and academic conferences in Raleigh, Boston, New Orleans, and throughout the Chicagoland area. He has also accepted an invitation to serve as an honorary consultant for a lead industrial garment manufacturer in Vietnam.

Outside of his research, Christopher is an eager vehicle enthusiast, and enjoys working on restoring a 1978 Harley Davidson FLH. He also recently married his college sweetheart in September, and the two are proud parents of a German shepherd mix, Barry.

ABSTRACT

A Doctor of Philosophy is the highest level of education a person can achieve, and it is awarded to students who complete an original thesis that offers a significant contribution to knowledge and progress in their

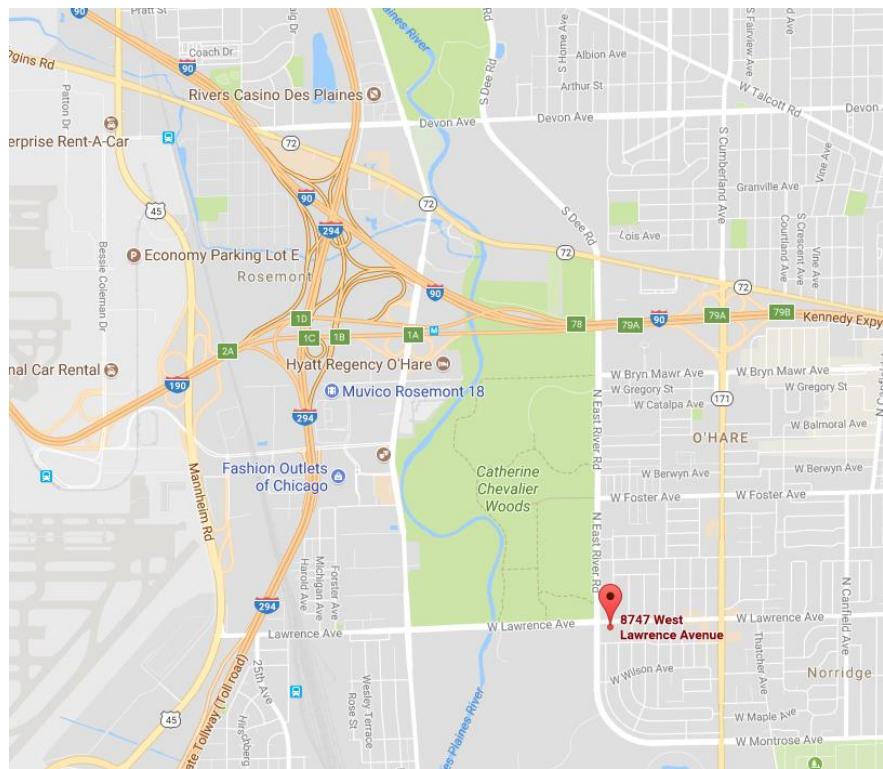
subject. On top of the required coursework, the mandatory grade point average, the deadlines, the presentations and conference calls, and, of course, the research, graduate life eventually becomes a learned lifestyle where the student learns to stay afloat in uncharted, shark-infested waters. Throw in an attempt at a decent social life, and the student becomes completely submerged.

This presentation is about that lifestyle, and the intensity of discipline required to overcome the many obstacles hurled towards graduate students. Although an incredibly stressful journey, the pursuit of knowledge is pure and highly rewarding. The privilege to explore and chart the unknown leaves the scholar with the means and skills necessary to tackle problems outside of a reasonable comfort zone, grow in confidence and ability, identify core engineering issues, and convey solutions to them. With this insight into Christopher's jump from physics to mechanical engineering, he will convey the rewarding experiences he gained, and share how his career came to fruition. From the viewpoint of a former student, this presentation is intended to give a few chuckles to the endearing spirit of a graduate student, frighten the freshmen in time for Halloween, and entertain the seniors.

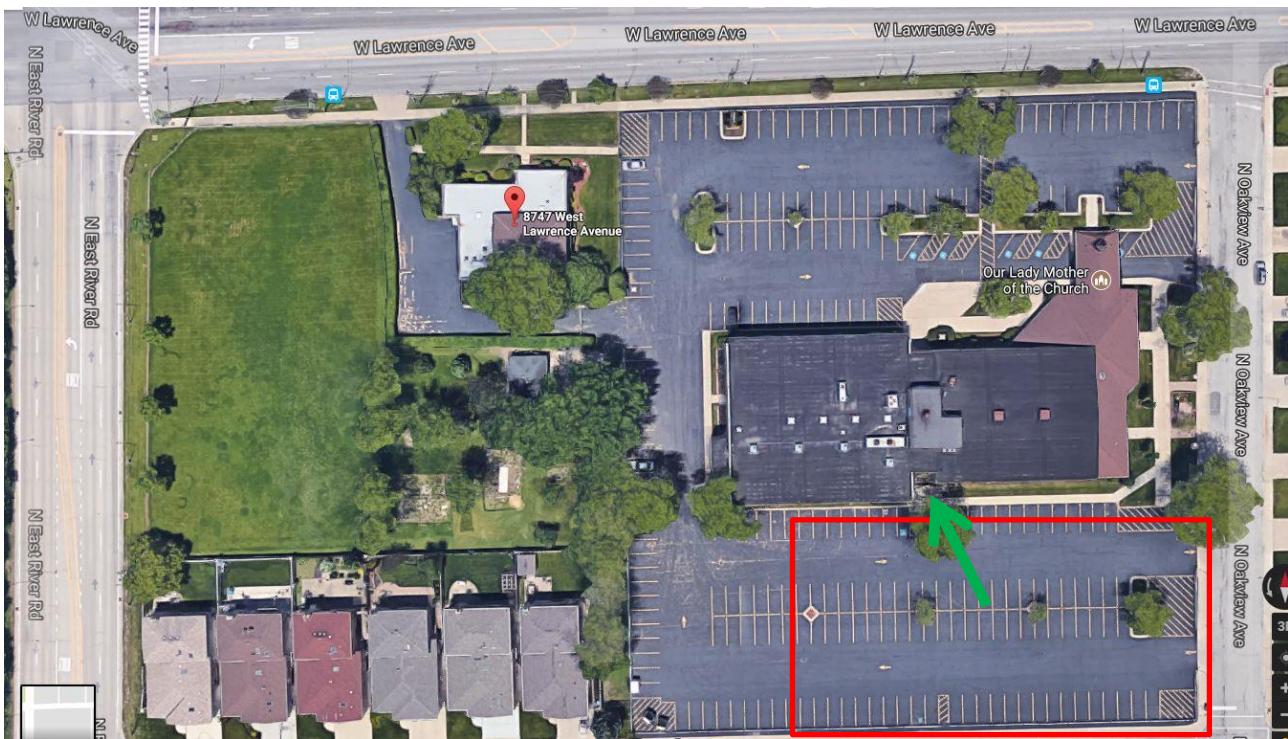
PAEA Announcements

MEETING LOCATION

Our Lady Mother of the Church
8747 W Lawrence Ave.
Chicago, IL 60656



The entrance closest to our room is at the back of the church (Green arrow)- the best parking location is off of Oakview Ave, behind the church (Red box):



2018 MEMBERSHIP DUES

There is no change in dues for 2018: **\$70 per year, senior citizens and students \$35 per year.**

We ask that everyone pay their dues as soon as possible; and thank 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: administration@polishengineers.org
You may send your dues directly to our Treasurer:

Mr. Marek Rozwadowski
5718 W. 84th Street
Burbank, IL 60459

You may also pay your dues at our meetings, and receive your Membership Card immediately.

Dues are critical in supporting the work of the PAEA- thank you for your support.

2018 Ralph Modjeski Scholarship Winners

We again would like to congratulate our 2018 Ralph Modjeski Scholarship winners:

Anna Busza, University of Illinois, Urbana, Sophomore in Bioengineering
Andrew Gugulski, University of Illinois, Urbana, Junior in Chemical & Biomolecular Engineering
Michael Rakowiecki, University of Michigan, Ann Arbor, Sophomore in Electrical Engineering
Michael Rogalski, University of Illinois, Urbana, Senior in Mechanical Science & Engineering

The scholarships will be awarded at our October (19th) meeting for those winners who can make it.

We would again like to thank the Legion of Young Polish Women, for funding our scholarship for Mrs. Busza. Their generosity allows us to provide four scholarships of \$850 each this year.

Ms. Anna Busza



To the Polish American Engineers Association:

I am extremely grateful to the Ralph Modjeski Scholarship committee for selecting me for this scholarship. I am also incredibly thankful to the Legion of Young Polish Women for funding my scholarship. The generosity and support from the Polish American Engineers Association will help me in my bioengineering studies at the University of Illinois at Urbana-Champaign. Academics is the major focus of my college identity because I know that with hard work and commitment I will achieve success. On campus I am also involved in the Society of Women Engineers and the Polish Club because I love being surrounded by people with similar passions and I'm proud of my Polish heritage and love sharing my culture with others. Once again, I am very thankful and honored to be selected as a recipient of the Ralph Modjeski Scholarship. Thank you for your incredible generosity and support in allowing me to pursue my dreams.

Thank you again,
Anna Busza

Mr. Michael Rakowiecki



Dear Polish-American Engineers Association,

I want to thank you deeply for the extremely kind and generous scholarship that you have awarded me. I was very surprised to hear that I was selected as a winner. I will try my best to live up to the excellent achievements of Ralph Modjeski. With the support of this scholarship, I will be able to focus on engineering excellence better so that I may one day also have accomplishments and the ability to support the next generation of students, as well as the people who helped me on my path. I will not soon forget winning this scholarship.

Warm Regards,
Michael Rakowiecki

Mr. Michael Rogalski



To the Polish American Engineers Association:

I would like to thank all of the members of the Polish American Engineers Association for awarding me and three other students with the Ralph Modjeski Scholarship. This generous award will ease the financial burden for me and my family, allowing me to continue focusing on my classwork and extracurricular activities at the University of Illinois. I look forward to meeting as many of you as possible at the November meeting. Thank you again for supporting the next generation of Polish American Engineers!

2018 Gwiazdka / Christmas Celebration – 16 December - mark your calendars!

We continue our tradition of celebrating Christmas together (as an extended family!) this year on Sunday, December 16th, at Gala Banquets (5639 N Milwaukee Ave, Chicago, IL 60646). Please mark your calendars, and invite your friends- all are welcome!

More details will be available shortly.

2019 Summer Picnic – date change – again, mark your calendars!

Due to scheduling conflicts, our 2019 Summer Picnic will take place Saturday, July 13, 2019 (beginning at 1pm @ Fourth Lake Resort, as usual). Please mark your calendars!

We previously reported it would be July 27th.

Member News/Update

During our Summer Break, we received news our esteemed Member (PAC Illinois Division President; and PAEA Board Member), Mr. Mirosław Niedziński and his company Constellium were awarded the 2017 Defense Manufacturing Technology Achievement Award, for their work in the development of the industrial scale processing of aluminum armor plate for forming single piece combat vehicle hulls. This technology is expected to lead to decreased injuries and fatalities for our soldiers in the battlefield.

A nice article on this award (in Polish), was published in the *Dziennik Związkowy* in June:

<http://dziennikzwiaskowy.com/polonia/na-ratunek-zolnierzom-na-podboj-kosmosu-wynalazki-miroslawa-niedzinskiego/>

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One of our newest Members (and distinguished Speaker in October), Mr. Christopher Staszela was married September 8, 2018; to his college sweetheart, Sara Staszela- congratulations! The ceremony took place at Our Lady Mother of the Church Polish Mission in Willow Springs, IL.

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We would like to remind everyone that we are looking for news and achievements 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.

Job Postings – Please Send Links to (public) Corporate Pages

The Administration is working to facilitate our mission of mutual support by offering to post job openings on our website, Facebook, and LinkedIn pages (as desired). As postings change continuously, we have decided to also post on our website (in the Members Only section) links to job listings of companies in our network.

Please send links to (public) job posting pages at your companies to: contact@polishengineers.org. We will list your name next to the link, so those applying through those links can have a reference person to cite. 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.

Last Meeting of 2018 – 16 November

Our last official meeting of 2018 will take place Friday, November 16th, 2018 (7:30pm; business meeting begins @ 8:00pm), as always, at Our Lady Mother of the Church. We will take our usual holiday break in December, and re-start again in January (18th).

Special Interest

Tadeusz Kosciuszko Names Day @ The Polish Museum of America

Thursday, October 25, 2018; 6pm-8pm (984 N. Milwaukee Ave., Chicago, IL 60642)

The Polish Museum of America cordially invites all PAEA Members and sympathizers to the celebration of Tadeusz Kosciuszko's Imieniny on Thursday, October 25th, 2018, 6 -8 p.m. at the Polish Museum of America, 984 North Milwaukee Ave. Chicago. The program will include viewing Polish Independence Exhibit "Polonia Goes to War", and recital by Jaroslaw Golebiowski, and refreshments.

For more information:

https://www.polishmuseumofamerica.org/?event=tadeusz-kosciuszko&event_date=2018-10-25

Behind Poland's Independence

Friday, October 26, 2018; 7:00pm (984 N. Milwaukee Ave., Chicago, IL 60642)

The Polish Museum of America, in dedication of Poland's 100 years of Independence, invites all PAEA Members & sympathizers to: THE PADEREWSKIS AND THE POLISH-AMERICAN WOMEN BEHIND POLAND'S INDEPENDENCE.

Topics will include the prominent work of Ignacy and Helena Paderewski in the resurrection of Poland, the story of the Polish White Cross, and the Polish Grey Samaritans, women who dedicated themselves to Poland's fight for freedom.

For more information:

https://www.polishmuseumofamerica.org/?event=behind-polands-independence&event_date=2018-10-26

www.polishengineers.org