
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 Staszal
- TOPIC:** PHinally Done! An Exploration of Graduate Applications in Mechanical Engineering
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Mr. Christopher Staszal

Christopher Staszal 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

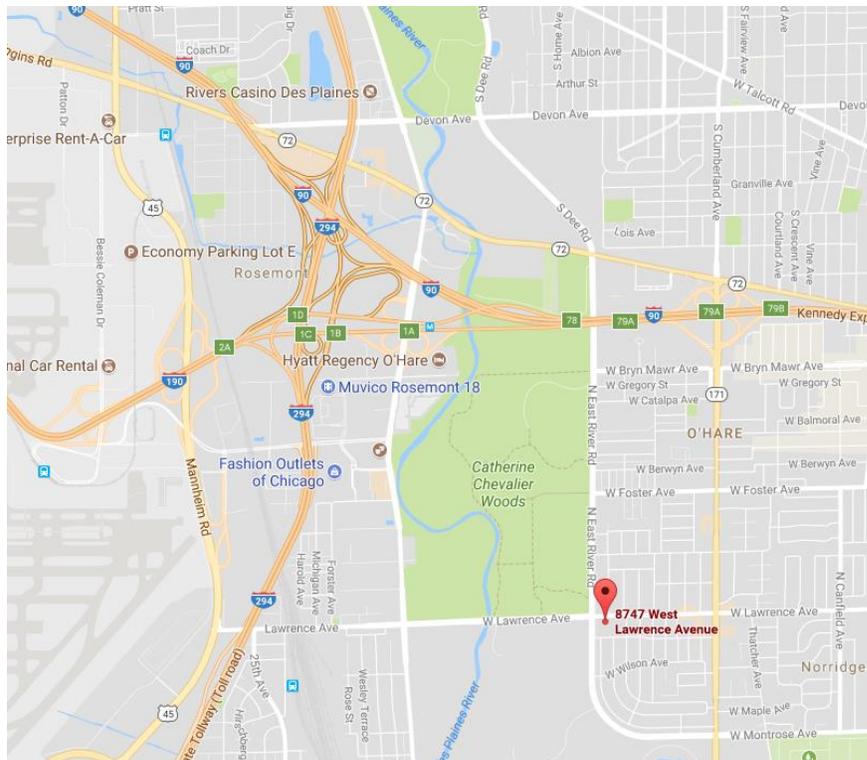
subject. On top of the required coursework, the mandatory grade point average, the deadlines, the presentations and conference calls, and, of course, the research, graduate life eventually becomes a learned lifestyle where the student learns to stay afloat in uncharted, shark-infested waters. Throw in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

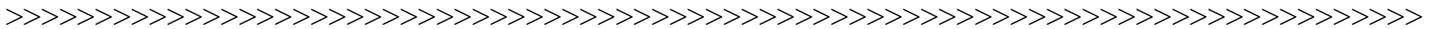
PAEA Announcements

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.

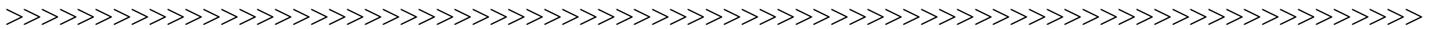
Questions? You may inquire at the meeting or send an email to: administration@polishengineers.org

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!

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 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-kosciuszkos&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