
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 16th, 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:** Dr. Piotr Psuja
- TOPIC:** Nanomaterials for Lighting



Dr. Piotr Psuja

Dr. Piotr Psuja (born 1981) - a graduate of the Faculty of Fundamental Problems of Technology at the Wrocław University of Technology - completed his doctoral studies at the Institute of Low Temperatures and Structural Research of the Polish Academy of Sciences in Wrocław in 2009. In the years 2009-2010 Dr. Psuja was employed at the Institute of Lasers of Photonics and Biophotonics at the University of New York in Buffalo, studying the properties of non-thermal plasma and methods of producing inorganic thermal insulation materials.

Dr. Psuja has co-authored 25 publications in peer-reviewed journals; and 11 patents. Selected achievements include the gold medal 55 at the World Exhibition of Innovation, Research and New Technologies "Eureka" (Brussels 2006); the silver medal at the Belgian and the International Fair of Technological Innovations (Brussels 2008); and the Diploma of the Minister of Science and

Higher Education (Warsaw 2009).

ABSTRACT

After the introduction and presentation of the lecture program, the concept of nanotechnology will be discussed, including the area and scale of such structures. Selected examples of nanostructures will be presented, as well as their features, characteristic phenomena and applications. In this context, construction, features and application of carbon nanotubes will be described.

Issues with nanostructures will be introduced, in an interactive format- audience participation and questions are encouraged, to guide the discussion. Finally, the benefits and risks of using nanomaterials will be discussed; followed by a presentation summary in closing.

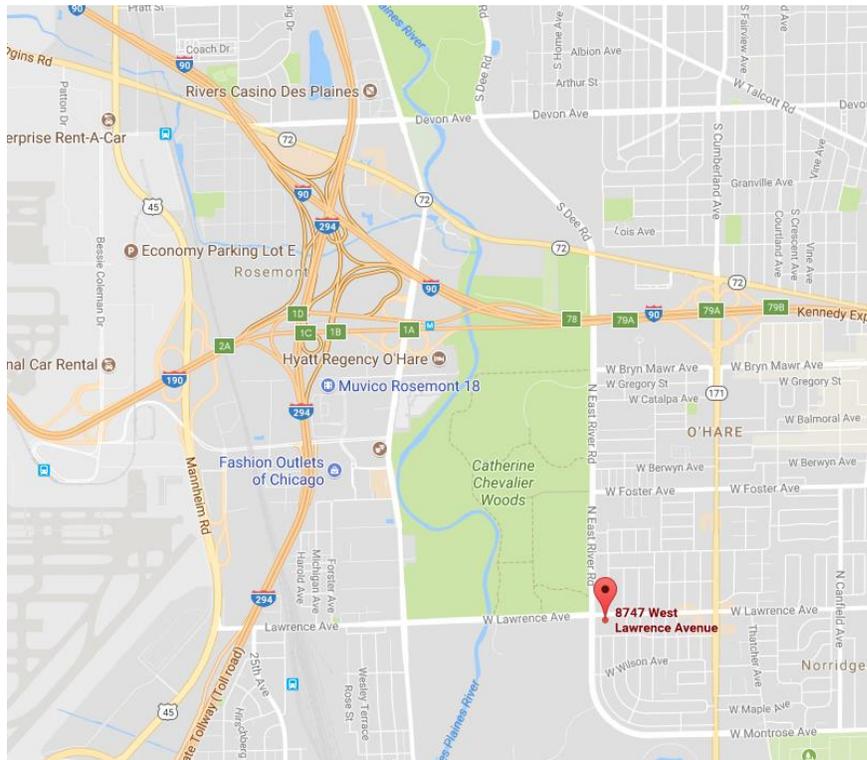
Outline/Goals:

1. Build awareness of the importance of nanotechnology and exact sciences in the broadly understood social context
2. Define the concept of nanotechnology
3. Develop intuition and a sense of scale in navigating nanotechnology issues
4. Familiarize with the main examples of nanostructures
5. Discuss the potential benefits and risks of nanotechnology

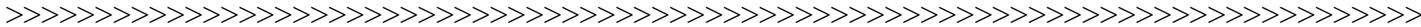
PAEA Announcements

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.

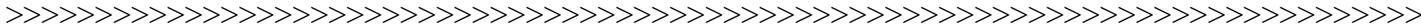
Questions? You may inquire at the meeting or send an email to: administration@polishengineers.org

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

Scholarships were awarded to those students who were able to make our October (19th) meeting. Another award will take place at our November (16th) meeting.

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. Andrew Gugulski



Members of the Polish American Engineers Association:

Thank you for selecting me as one of the recipients of the Ralph Modjeski scholarship, as I am very grateful for this honor. I would like to thank all of the members of the association for your warm welcome, and I look forward to meeting many of you at the October meeting. I am blessed to have access to cutting-edge technology through the Chemical & Biomolecular Engineering department at the University of Illinois, and this scholarship will help finance these opportunities. I look forward to seeing where my degree takes me, and I hope that one day I can be as successful as many past Polish engineers, such as Ralph Modjeski. I take great pride in my education and in my school, which has inspired to become a tour guide for the College of Engineering, so I can motivate likeminded individuals to pursue their studies at the university. I mention my Polish roots on every tour, and I would like to thank my parents for instilling my love for my heritage in me. I am thankful that an organization such as PAEA exists to motivate future engineers of Polish descent to pursue their dreams.

With many thanks,
Andrew Gugulski

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.

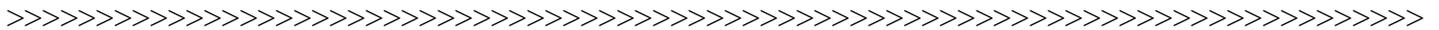
Warm Regards,
Michael Rakowiecki

Mr. Michael Rogalski



To the Polish American Engineers Association:

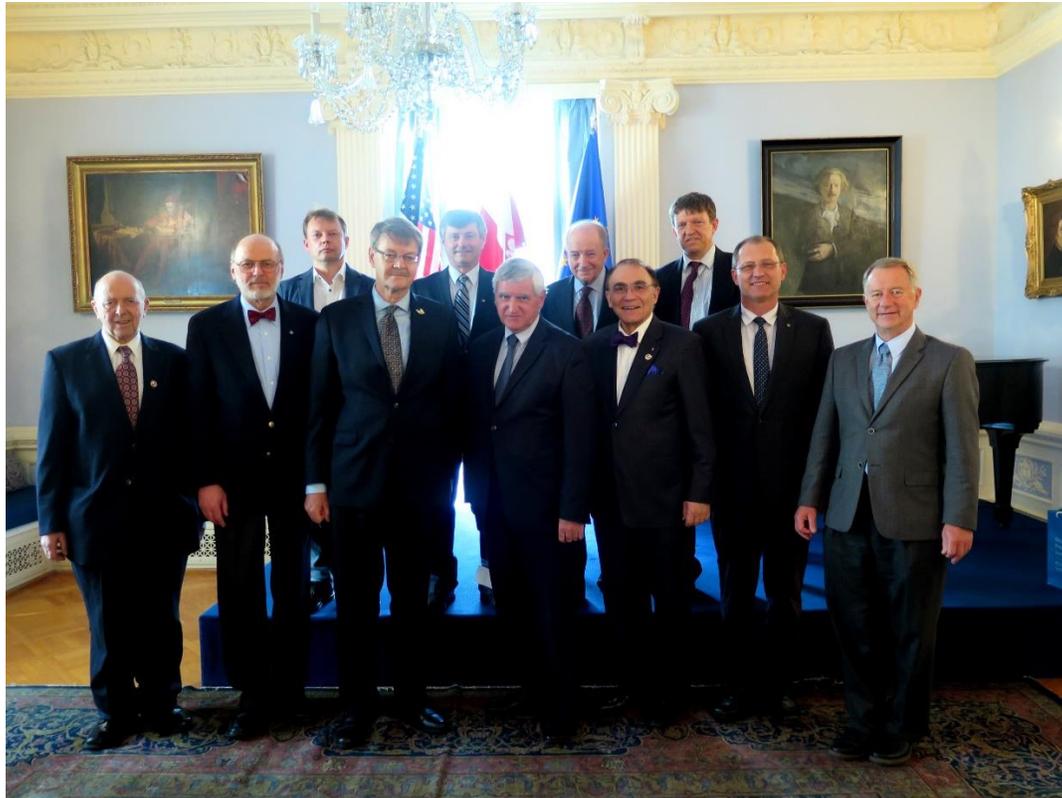
I would like to thank all of the members of the Polish American Engineers Association for awarding me and three other students with the Ralph Modjeski Scholarship. This generous award will ease the financial burden for me and my family, allowing me to continue focusing on my classwork and extracurricular 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! -Michael Rogalski

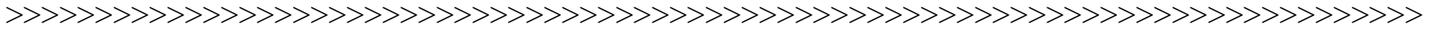
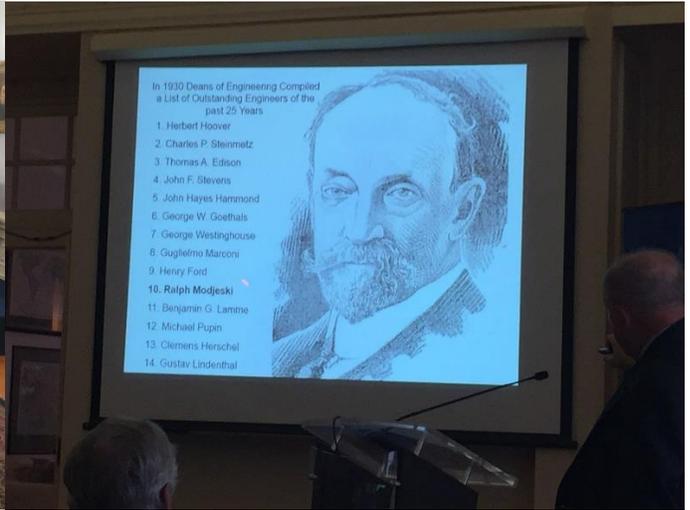


2018 Symposium & Annual Meeting of the Council of Polish Engineers – 26-27 October

The 2018 Symposium and Annual Meeting of the Council of Polish Engineers in North America was held 26-27 October, at the Polish Embassy in Washington DC. The program included 4 plenary sessions (Education – Schools, Programs, Students; the Economy- the Role of the Engineer; Technical Presentations; The Engineer of the Future); a meeting of alumni of the Warsaw Technical University; as well as a working meeting of the Council of Polish Engineers in North America.

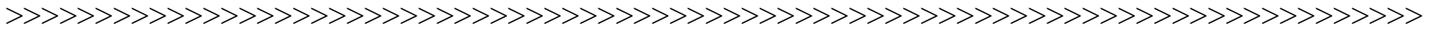
Miroslaw Niedzinski and Dr. Jan Plachta represented the PAEA.





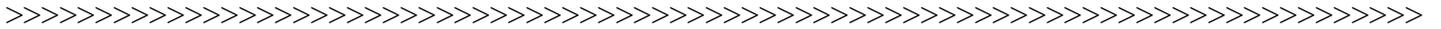
2018 Gwiazdka / Christmas Celebration – 16 December – Stardust Banquets

We continue our tradition of celebrating Christmas together (as an extended family!) this year on Sunday, December 16th. Rather than Gala Banquets, as previously reported, we will gather at Stardust Banquets (5688 N. Milwaukee Ave., Chicago, IL 60646)- the new banquet hall of the owners of Gala Banquets, located just across the street from Gala. Please note this change, and invite your friends- all are welcome! More details will be available shortly.



2019 Summer Picnic – 13 July, 2019

A reminder that our 2019 Summer Picnic will take place Saturday, July 13, 2019 (beginning at 1pm @ Fourth Lake Resort, as usual). Please mark your calendars, and as always, invite friends! More information will be available as we get closer to the date.



Special Interest

American Institute of Polish Culture 100th Anniversary of Independence Gala

Saturday, November 17, 2018; 6pm (2230 NW 14th Street Miami, FL 33125)

There is still an opportunity to reserve your place at the elegant dinner we have planned to celebrate 100 years of Poland regaining its independence!

Key Note Speaker: Dr. Marek Chodakiewicz

Institute of World Politics in Washington, DC

Special Musical Performance

World-renowned pianist Kevin Kenner

Music of Chopin & Paderewski

Link to purchase tickets:

https://www.paypal.com/webapps/shoppingcart?mfid=1541540301375_69eb74b96f0e2&flowlogging_id=69eb74b96f0e2#/checkout/shoppingCart

RESERVATION DEADLINE: November 13

This prestigious gala will be held at the Hungarian Club of Miami
2230 NW 14th Street Miami, FL 33125
on Saturday, November 17, 2018 at 6:00 pm.

Cocktail Attire

I do hope you will join us to celebrate this grand occasion.

Respectfully,

Lady Blanka Rosenstiel

Honorary Consul of the Republic of Poland

Founder and President of The American Institute of Polish Culture and The Chopin Foundation of the United States

MS Pilsudski – hidden history project @ The Polish Museum of America

1-5 December, 2018 (984 N. Milwaukee Ave., Chicago, IL 60642)

On the occasion of the 100th anniversary of Poland's independence the Polish Museum of America invites all PAEA Members and sympathizers on a virtual voyage on board of the most magnificent Polish ocean liner – MS 'Piłsudski'. The VR technology will take you to the underwater world where the Polish history of 100 years ago awaits hidden...

For more information:

<https://www.facebook.com/events/2167518056903364/>

Polish Museum of America Christmas Ornaments Workshop & Gift Shop Sale

Saturday, December 15, 2018 at 1:30 PM – 3:30 PM (984 N. Milwaukee Ave., Chicago, IL 60642)

The Polish Museum of America all PAEA Members and sympathizers to its annual Christmas workshop on the art of ornament making on Saturday, December 15, 2018, at 1:30-3:30 pm.

The PMA Gift Shop will be open 11 am-4 pm, and offer special discounts all day long.

For more information:

<https://www.facebook.com/events/2246027548960135/>

www.polishengineers.org