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# POLISH-AMERICAN ENGINEERS ASSOCIATION

FOUNDED



IN 1934

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

- DATE:** Friday, October 21<sup>st</sup>, 2016
- TIME:** doors open 7:30 p.m.; Business Meeting begins 8:00 p.m.
- PLACE:** Copernicus Center  
Kings Hall  
5216 W. Lawrence Avenue  
Chicago, Illinois
- SPEAKER:** Adam Para, PhD
- TOPIC:** Quantum Universe for Pedestrians
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## Adam Para, PhD

Dr. Adam Para received his PhD in Physics in 1977 from Warsaw University, Poland. In the following years he worked at CERN (European Center for Nuclear Research in Geneva, Switzerland, CEN (Center for Nuclear Studies) at Saclay, France and at the Warsaw University, Warsaw, Poland. Since 1985 he has worked at the Fermi National Accelerator Laboratory in Batavia, IL. His scientific interests are in the area of the physics of elementary particles. The past several decades have witnessed the formulation, testing and coronation of the “Standard Model”- an incredibly successful theory, capable of explaining most of the phenomena in the known Universe. Dr. Para was lucky to be able to participate in several key experiments contributing to the establishment of the Standard model. Recently, Dr. Para’s work has concentrated on the study of neutrinos, and research and development of new detection techniques.

## ABSTRACT

Our understanding of the Universe at its deepest level has revealed a beautiful simplicity of the underlying laws of Nature. We can understand the world around us in terms of very few fundamental components and few fundamental forces. Phenomenal progress in technology revealed to us a picture of the Universe at large scale providing us with a new perspective on our existence. In a fascinating development it turned out that the understanding of the micro world allows us to reconstruct the history of the Universe back to

a tiny fraction of a second. I was very lucky to be a witness to some of the revolutionary developments and I will try to share some of the excitement of the scientific revolution of the past few decades.

**PAEA Announcements**

**2016 MEMBERSHIP DUES**

Please note that the dues schedule for 2016 has not changed. **Dues are \$50 per year, senior citizens and students \$25 per year.** We strongly encourage you to pay your dues as soon as possible. Membership Cards will be provided to all those who paid their dues.

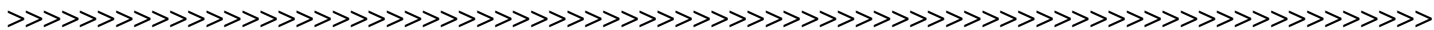
Questions? You may inquire at the meeting or send an email to: [administration@polishengineers.org](mailto:administration@polishengineers.org)

You may send your dues directly to our Treasurer:

Mrs. Diana Kukawski  
940 Beau Dr., Apt 209  
Des Plaines IL 60016

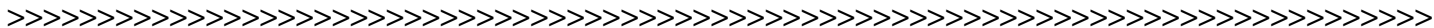
You may also pay your dues at our meetings, and receive your Membership Card immediately.

Thanks to all who have already paid- your dues are critical in supporting the work of the PAEA!



**Ralph Modjeski Scholarship Donation- Thank You Stanisław Witczak!**

The PAEA would like to extend a big THANK YOU(!) to long-time member and supporter Pan Stanisław Witczak, for his generous \$800 donation and company match towards our Ralph Modjeski Scholarship Fund! This donation covers an entire scholarship for one of our deserving students. And our Scholarships are a fundamental part of our Mission: mutual support, and support of our young engineers.



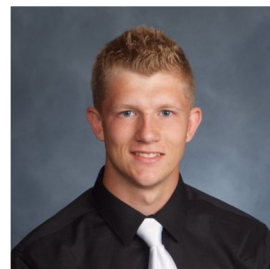
**2016 Ralph Modjeski Scholarship Winners**

The PAEA Administration and Board would like to congratulate our exemplary 2016 winners of the Ralph Modjeski Scholarship:

**Oliver Dobon-** Civil & Environmental Engineering at the University of Illinois, Urbana-Champaign

October 1, 2016

To: Polish American Engineers Association



I would like to thank the president of the Polish American Engineers Association, Mr. Andrzej Pawlowski,

all Board Directors, and all Board Members for awarding me with the Ralph Modjeski Scholarship.

Studying Civil Engineering at the University of Illinois at Urbana-Champaign is a dream come true and I really appreciate the assistance and encouragement provided by the Polish American Engineers Association. Completing my engineering education at a world class engineering institution in addition to the hands on experience I gained at my internship and the generous support of the Polish American Engineers Association will certainly put me well on track to beginning my career as a proficient engineer.

I am honored to be selected as the recipient of the Ralph Modjeski Scholarship and am eager to begin my contributions to the achievements of Polish American engineers.

Thank You Again,



Oliver M Dobon

**Nicolas Houghton**- Mechanical Engineering at Michigan State

Dear Mr. Pawlowski,

I am very grateful to be a recipient of the Ralph Modjeski Scholarship. I want to thank you for selecting me. I am honored and humbled.

I currently reside at Michigan State University and because of my class schedule and school commitments, I am unable to travel to Chicago to accept the award. Please mail it to my home address that is listed on the notification letter.

Again, thank you for your generous award. I look forward to exploring your website.

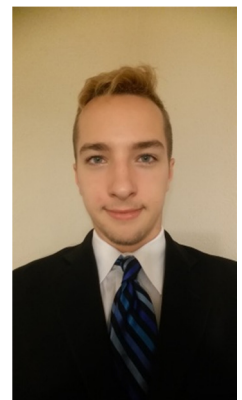
Sincerely,  
Nick Houghton



**Tomasz Kaszuba**- Bioengineering at the University of Illinois, Urbana-Champaign

To the Polish American Engineers Association:

I am sincerely grateful for having been awarded the Ralph Modjeski Scholarship. I fully appreciate the generosity granted to me, and your support in my pursuit of the engineering discipline. The polish community has always been a supportive structure in my life. By educating myself, I know that I will become a more capable engineer and in so doing, I can more fully represent polish-american







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## **Special Interest**

### **Autumn Gardening & Concert @ Chopin Garden –October 22, 2016**

Saturday, October 22, 2016 @ 10:00am, Chopin Garden, 11<sup>th</sup> Street & Michigan Ave., Chicago, IL

The Chicago Chopin Foundation cordially invites you to join us for "Autumn Gardening & Concert" at the Chopin Garden in Grant Park on Saturday, October 22nd, 2016.

The day will begin with landscape improvements to the garden including mulching, planting flowers, and general clean-up. All equipment will be provided-

Volunteers will then be rewarded with a live piano performance.

### **Polish Highlander's Day @ The Polish Museum of America –October 23, 2016**

Sunday, October 23, 2016 @ 3:00pm, Polish Museum of America, 984 N. Milwaukee Ave., Chicago, IL 60642

On the 23 of October, 2016 we shall be celebrating "POLISH HIGHLANDER DAY entitled:"Lifting you to the World," which will take place at the Polish Museum of America from 2:00 - 6:00 pm.

The program will feature a rich display of music, song, and dance, film, literature and various folk crafts highlighting amongst others, traditional embroidery and tailoring, leather crafts, metalsmithing, painting on glass, violin making, wooden arts, and homestead cheese-making.

EVERYONE IS INVITED

The Tatra Mountains Cultural Foundation  
Bogdan Ogorek, president

### **Art for Heart Exhibit @ The Polish Museum of America – thru October 29, 2016**

Polish Museum of America, 984 N. Milwaukee Ave., Chicago, IL 60642

The Polish Museum of America and Gift from the Heart Foundation (Dar Serca) are celebrating the 6th year of Art for Heart- a collaboration raising awareness of two important missions. This wonderful exhibit and art sale continues through October 29<sup>th</sup>. All works are available for sale; and can even be purchased on line ([www.squareup.com/store/gift-from-the-heart-foundation](http://www.squareup.com/store/gift-from-the-heart-foundation))! As always, 100% of the proceeds jointly benefit Gift from the Heart Foundation (Dar Serca) and The Polish Museum of America.

For details please see: [www.polishmuseumofamerica.org](http://www.polishmuseumofamerica.org) or [www.artforheartchicago.org](http://www.artforheartchicago.org)

## **Polish American Congress 47<sup>th</sup> Annual Heritage Banquet – October 30, 2016**

Sunday, October 30, 2016 @ 4:00pm, Chateau Ritz, 9100 North Milwaukee Ave, Niles, IL 60714

The Polish American Congress warmly invites all PAEA members and sympathizers to its annual 47th Annual Heritage Banquet – October 30, 2016. This year's Heritage Banquet will be a celebration of the 333rd anniversary of King Sobieski's victory at the Battle of Vienna- the victory that saved Christendom in Europe.

Among other honorees, the Polish American Congress will be honoring Mr. Terlikowski who was a member of Squadron 303 (he is currently 99 years old); as well as our distinguished Members Andrzej Nowak & Zbigniew Karas.

For details please see: [www.pacillinois.org](http://www.pacillinois.org)

### **Request for Mentors**

We received a new request for mentoring students from Ridgewood High School in Norridge. Mrs. Carol Valentino-Barry (708.428.0892 ; Cbarry@ridgenet.org) is looking for job shadows or internships for her students. Anyone interested and able, please contact Mrs. Barry directly.

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