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 21st, 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



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: <u>administration@polishengineers.org</u>
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





engineers and give to

our community. Thank you for allowing me to pursue my dreams.

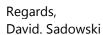
I also thank you for your invitation to the October 21st meeting and will be in attendance at the meeting to accept my certificate and award.

All the best, Tomasz Kaszuba

David Sadowski- Mechanical Engineering at the Rochester Institute of Technology

Hello Mr. Pawlowski,

Thank you very much for this scholarship and the opportunity it affords me. Without scholarships like this, I would not be able to attend engineering school. I hope to one day make as large of an impact on the word as my grandfather did as an engineer at NASA in the 60's.





Visit to Fermilab, Batavia, IL – October 22nd, 2016

A reminder about our October 22nd visit to Fermilab. Many thanks again to Dr. Para for making the gracious offer, and working to arrange our visit.

The official visit will begin at 13h00 at Fermilab (general address: Outer Ring Rd, Warrenville, IL 60555) with a general presentation of the lab and the science being pursued (in room Curia II), followed by a Q&A session. There will be two groups for lab visits:

Group A-

- -2pm 3 pm Visit of the underground neutrino facility/detector.
- -3 pm 5 pm Guided visit of the laboratory complex.

Group B-

- -2 pm 4 pm Guided visit of the laboratory complex.
- -4 pm 5 pm Visit of the underground neutrino facility/detector.

All are welcome, children included; however, one needs to be 18 years or older for the underground tour. So for those not able or not wanting to visit the underground facility, there will be a visit to another facility organized for those timeslots.

The Fermilab grounds can also be visited (separately as desired)- there are several nature walks, a prairie restoration area, a buffalo herd, several ponds with wildlife. The whole site and buildings are also interesting from an architectural point of view.

We look forward to seeing everyone at this very special opportunity...!

The Polish American Engineers Association is on Facebook!

The PAEA has extended its presence into the social media space, with a new Facebook Page:

https://www.facebook.com/Polish-American-Engineers-Association-PAEA-1153830014674800/

(or search for "Polish American Engineers Association PAEA").

Please check it out, and help us keep it active by 'like'-ing and posting interesting material.

Thanks to Ewa Mroczek for creating and supporting our social media presence! This will help the PAEA reach out to potential new members and supporters; as well as the Community as a whole.

Rudolf Modrzejewski (Ralph Modjeski) Plaque Dedication – December 1st

The Council of Polish Engineers in North America invites all PAEA members and sympathizers to the unveiling of a Ralph Modjeski's plaque at the firm started by Ralph Modjeski:

Modjeski and Masters, Inc. 1055 St. Charles Avenue, Suite 400 New Orleans, LA 70130

The program will begin December 1st, 2016 at 3pm CST. There will be introductions and interesting presentations, with the unveiling at 5pm. There will be a dinner that evening; as well as a tour of New Orleans as well as the Huey P. Long Bridge and sightseeing the next day (December 2nd); ending with dinner and a visit to a local Jazz club.

For more information please contact: Dr. Andrzej S. Nowak (<u>nowak@auburn.edu</u>) or Dr. Zolan Prucz (<u>zprucz@modjeski.com</u>).

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PAEA Christmas Party 2016! Sunday, December 11th. Save the Date!

All PAEA members, sympathizers, and guests (children encouraged!) are invited to unite to celebrate the Christmas season, and enjoy time with each other in a social setting, at the PAEA Christmas Party 2016. The celebration will be held Sunday, December 11th at Gala Banquets (5639 N Milwaukee Ave, Chicago, IL 60646), beginning at 4:30pm. All the feedback about the food and service at Gala Banquets was very positive; so we look forward to another excellent experience!

As a reminder, this event is also a fundraiser for our Scholarship fund; and helps make possible our mission of support of future Engineers. So all proceeds from this event will go directly to our Scholarship Fund.

Tickets will be \$50/adult; \$25/child (5-10 years old); children under 5 free. Tables (8 people) are available for a discounted price of \$360. We also have a Sponsorship opportunity for a \$500 donation (includes one table). Finally, donations (think end of year tax planning!), as always, are very much appreciated.

Invitations will be sent out via email shortly; and details will also be available on our website (www.polishengineers.org).

Special Interest

Autumn Gardening & Concert @ Chopin Garden -October 22, 2016

Saturday, October 22, 2016 @ 10:00am, Chopin Garden, 11th 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 29th. All works are available for sale; and can even be purchased on line (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 or www.artforheartchicago.org

Polish American Congress 47th 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

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.

www.polishengineers.org