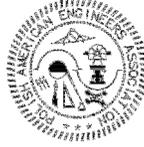


---

# POLISH-AMERICAN ENGINEERS ASSOCIATION

FOUNDED



IN 1934

---

P.O. Box 241, Northbrook, IL 60065-241, USA • [www.polishengineers.org](http://www.polishengineers.org)

---

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

- DATE:** Friday, November 18<sup>th</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:** Michael Niedzinski, MS, MBA  
Director of Standardization USA  
Product Development Mgr. Defense  
Constellium
- TOPIC:** F-35
- 



## Michael Niedzinski

Director of Standardization and Product Development Mgr. Defense

In his role as Director of Standardization and Product Development Mgr. Defense, Michael is responsible for the introduction of aerospace and defense-related products and technologies, developed by the Global ATI Technology Group, to industry and government agencies such as MMPDS, SAE, AA and the Air Force. These range from the latest aluminum structural components to the latest generation of aluminum alloys and manufacturing technologies, which optimize and facilitate assembly techniques. Ultimately, these products become visible to Boeing, Lockheed Martin, Bombardier etc. He is also in direct contact with several manufacturers of space launchers, such as Space Launch System and SpaceX's Falcon 9 etc.

Prior to his current assignment, Michael Niedzinski held the position of Vice president of Technology and Quality Assurance at McCook Metals- a manufacturer of plate and sheet products for the Aerospace and Defense industries.

While working for Reynolds Metals, Michael was responsible for the program management of Aluminum-Lithium (Airware) manufacturing technology, needed to produce the Super Light Weight External Tank critical to the Space Shuttle missions; which delivered components of the International Space Station to its high altitude orbit. In 1996 he received the prestigious Sustained Effort Award from NASA's Colonel Mark Lee. Concurrently he managed product and technology development related to the F-16, C-17, F-22, and F-35 military aircraft.

Michael received his BS and MS (thesis “Thermodynamics of argon-oxygen Steel making”) from University of Illinois. Later he obtained an MBA from Illinois Institute of Technology. He holds several patents related to the development of Aluminum-Lithium alloys used for the new generation of F-16 interceptor and Armor plate for Armored Personnel Carriers.

He has about ten publications in Transactions of Metallurgical Society, Advanced Materials and Processes, Aerospace Engineering and Light Metals Technology.

## **ABSTRACT**

Michael will provide a brief overview of a new aircraft, which is designed to replace nine different types of aircraft currently used by Air Force, Navy and Marine Cops units. The Lockheed Martin F-35 Lightning II or Joint Strike Fighter is a family of single-seat, single-engine, all-weather, stealth, multirole fighters, currently in full production (over 200 units built to date for the United States and partner nations). The fifth generation combat aircraft is designed to perform ground attack and air defense missions. The F-35 has three main models: the F-35A conventional takeoff and landing (CTOL) variant, the F-35B short take-off and vertical-landing (STOVL) variant, and the F-35C carrier-based Catapult Assisted Take-Off (CATOBAR) variant. Michael will provide some design information and show videos illustrating capabilities and performance of F35 aircraft.



## **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.

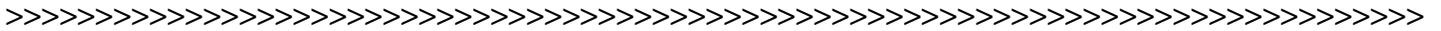
Thanks to all who have already paid- your dues are critical in supporting the work of the PAEA!



## Visit to Fermilab, Batavia, IL – October 22<sup>nd</sup>, 2016

On October 22<sup>nd</sup> PAEA Members and sympathizers had the unique opportunity to visit Fermilab. Many thanks again to Dr. Para, Mrs. Para, and the Fermilab volunteers for working so hard to create such a wonderful and educational visit. And thanks to all those who participated. Below are some pictures (see our website for more):





**The Polish American Engineers Association is on Facebook!**

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



*Please Join us for the Polish American Engineers  
2016 Christmas Party*

Gala Banquet Hall  
5639 N. Milwaukee, Chicago, IL 60646  
Sunday, December 11, 2016  
4:30 p.m. - 9:30 p.m.

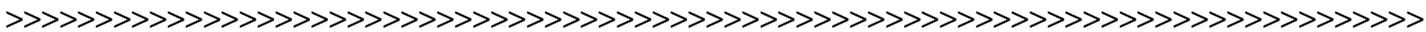
The Administration of the Polish-American Engineers Association  
Extends Wishes for a Happy and Healthy Christmas,  
as well as a Prosperous New Year to all members and supporters.

Corporate Sponsorship and Individual donation for Ralph  
Modjeski Scholarship Fund are very much appreciated and are  
tax deductible

**Program**  
4:30 p.m. - Cocktails (Cash Bar)  
5:30 p.m. - Dinner  
Santa Claus Visit  
Seasonal Entertainment & Dancing

\$50 per person 11 years & over  
\$25 for children 5-10  
Children 4 & under free  
\$360 for Table of 8

**Reservations**  
Mrs. Ewa Mroczek  
[ekmroczek@gmail.com](mailto:ekmroczek@gmail.com)  
630/782-0121



## Job Postings

The PAEA has received several inquiries about posting jobs on our website. The Administration will be updating the Job Opportunities page, and listing such opportunities on our Facebook page. Please send all job postings to: [contact@polishengineers.org](mailto:contact@polishengineers.org). Thank you!

## Special Interest

### **Bridging Urban America – Polish Film Festival – November 19, 2016**

Saturday, November 19, 2016 @ 5:00pm, Gallery Theater, 1112 N. Milwaukee Ave. Chicago, IL 60642

Basia & Leonard Myszynski cordially invite all PAEA Members & sympathizers to the November 19<sup>th</sup> screening of Bridging Urban America. The film celebrates the life of Ralph Modjeski, one of America's greatest bridge designers and some of the 20th century's most significant bridges and how they transformed

America: San Francisco – Oakland Bay Bridge, Huey P. Long in New Orleans, and Quebec Bridge in Canada, among others. The film takes a deeper look at the scientific mind of a virtuoso pianist and artistic soul of a Polish-born Paris-trained immigrant who contributed to the building of a modern America.

Many will remember when Basia & Leonard visited us in 2014 as they began collecting resources for this ambitious and beautiful project. Let's continue our support by attending this screening!

For more information, please see:

<http://bridgingamericafilm.com/index.html>

Tickets available at:

<http://www.pffamerica.org/en/bridging-urban-america-the-story-of-ralph-modjeski/>

### **Christmas Ornament Workshop & Gift Sale @ Polish Museum of America**

Saturday, December 10, 2016, Polish Museum of America, 984 N. Milwaukee Ave., Chicago, IL 60642

The Polish Museum of America cordially invites all PAEA Members and sympathizers to their annual Christmas Ornament Workshop and Gift Sale! For more information please see:

<http://www.polishmuseumofamerica.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](http://www.polishengineers.org)