#### POLISH-AMERICAN ENGINEERS ASSOCIATION

**FOUNDED** 



IN 1934

1 Watergate Drive South Barrington Illinois 60010, USA • www.polishengineers.org

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

DATE: Friday, January 16<sup>th</sup> 2015

TIME: 7:30 p.m.

**PLACE:** Copernicus Center

**Kings Hall** 

5216 W. Lawrence Avenue

Chicago, Illinois

SPEAKER: Mr. Andrew Gruda

**TOPIC:** Corrosion – Losing Battle???

## Mr. Andrew Gruda, CEF

Technical Manager Gatto Industrial Platers Inc.



#### **Presenter**

Andrew Gruda has been the Technical Manager at Gatto Industrial Platers Inc. since 1994. Gatto is one of the biggest plating and surface-finishing companies in the Chicago area. Andrew is responsible for the technical aspects of various chemical processes involved in the production process; the implementation of new technology and finishes; and also oversees an extensive waste-water treatment operation.

Andrew graduated in 1979 from Gdansk University of Technology (Politechnika Gdanska) in Poland with a M.S. degree in Chemical Engineering; with a specialization in Corrosion and Corrosion-Protection Technology. He began his specialization in High School, with a diploma as a Corrosion Protection Technology Technician.

#### Other professional experience:

1979 to 1981 - Industrial Chemistry Research Institute; Warsaw, Poland.

Department of Corrosion in Petrochemical Industry

1981 to 1985 - Technical Chemical High School; Warsaw, Poland

Chemistry and Material Science Teacher

1985 to 1992 - Mechanical Plating Company; Chicago, IL - Quality Director

1992 to 1994 - Autodeposition Inc. Chicago, IL Technical Director

Member of AESF/NASF (American Electroplaters and Surface Finishing Society/ National Association for Surface Finishing). Chicago Branch President, 2004/2005 term. Chicago Science Fair Committee Chair for over 10 years for this organization. AESF Chicago Educational Foundation Board member.

#### **ABSTRACT**

Mr. Andrew Gruda will present the fundamentals of material corrosion, including the different forms and mechanisms of corrosion, and related damage effects. This will be followed by the methods of corrosion control, and protection techniques suitable to specific situations and material-environment combinations. Methods of measuring corrosion rate will be discussed, as well as methods of accelerated testing of protective coatings. A short presentation of the capabilities and available finishes offered by Andrew's employer, Gatto Industrial Platers Inc., will conclude the presentation.

Close to sixty members joined us on December 5<sup>th</sup> for a very interesting presentation by Captain Chris Kaminski. His photo journey to Cape Horn on a fifty sailboat presented this both scenic and harsh region in a new light. That was followed by light appetizers and pre Christmas celebration.

## 2015 Membership Dues

We ask everyone to make it a point to pay their 2015 membership dues in January or February. Dues may be paid at meetings, or may be sent directly to our Treasurer:

Mr. Richard Kaczmarek 1725 S. Crescent Park Ridge, IL 60068

Dues are \$50 (\$25 for students & senior citizens) annually, and enable PAEA operation, promoting engineering to the Polish community as well as achievements of Polish engineers to the general community. Please do your part to help. Thank you in advance...

### **General Interest**

# Kolędowanie at the Polish Museum of America Sunday, January 18, 2015, at 4:00 pm.

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



## Let's sing!

The best caroling is at the "PMA-AMOPOD Wieczór Kolęd (Evening of Carols)" - an evening of bilingual caroling.

This 24<sup>th</sup> annual event is always fun; and this year it will be held at the Polish Museum of America! It starts with a cocktail mixer, and then everybody sings, including you! You will get a little songbook, and, accompanied by a piano, you will join the crowd in singing songs, including "Jingle Bells" and "Bóg się rodzi." Afterwards, there's a hot buffet of delicious Polish food.

Come join others who share your heritage. Immerse yourself in the cultural richness of Christmas celebrations. Renew the bond with an important part of yourself, and refresh your link with the community.

The event is Sunday, January 18th, 2015 (beginning with cocktails at 4pm, singing at 5pm) – keeping with the Polish tradition, where caroling only starts on Christmas Eve, but then can continue throughout January. Tickets can be purchased in advance at:

www.eventbrite.com/e/wieczor-koled-24th-tickets-14917008173

The cost is \$35 for adults, \$10 for students & children accompanied by an adult (children under 6 free!). Discount tickets (\$30 for adults) are available through Sunday, January 11<sup>th</sup>.

For more information please see:

http://www.polishmuseumofamerica.org/event/koledowanie/

or

http://www.amopod.org/