January 2019 Educational Dinner Meeting

Thursday, January 10th, 2019 Date:

Where: JT Schmid's Restaurant & Brewery

2610 E Katella Ave Anaheim, CA 92806 Ph. (714) 634-9200

5:30PM Attitude Adjustment

6:30PM Dinner 7:00PM Speaker

Time-



Click for Map

Speaker: Frank Altmayer EDUCATION: B.S., Chemical Engineering, Illinois Institute of Technology (Honors Graduate); M.S. Metallurgy, Illinois Institute of Technology.

PROFESSIONAL AFFILIATIONS: American Electroplaters' and Surface Finishers' Society (AESF) Currently

EXPERIENCE: Mr. Altmayer is the former owner of Scientific Control Laboratories, Inc. in Chicago IL; a company that provides technical expertise to the emtal finishing industry. He sold the company and "semi"-retired in 2007. He has been an instructor for AESF since 1980 and has served as Technical Education Director of AESF Foundation/ NASF since 1992

Frank takes on consulting projects as time allows. He has over 46 years experience in metal finishing, and the design and trouble-shooting of metal finishing processes/shops and waste treatment systems.

Topic: Common Salt Spray Failures-Why Do They Happen? The salt spray test is often described as unreliable and imprecise, especially when it is used to comply with aerospace specifications such as those published by Boeing. Companies have frequently asked what they can do to pass Boeing salt spray requirements on Alodine type coatings and Boric-Sulfuric anodic coatings. This presentation will cover testing procedures/theory, processing steps for Alodine and Boric-sulfuric anodizing and a few unusual conditions that can affect the test results for any coating that requires a salt spray test.

Dinner

Cost: \$30.00 For Reserved Dinners

\$35.00 For Walk-ins

Dinner cost includes complementary Iced Tea, Coffee, and Pepsi **Fountain Products**

Access to a full bar for your dining pleasure before and after the meeting.

Make Dinner Checks out to: SFEA

Menu: A pdf of the menu is at the top of the RSVP page. To see menu options, please click on the RSVP button.

Please RSVP by Clicking the Link to the Right



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OR

Reservations: Please call or email in your reservation by January 3rd To: Kathy Petruna Ph: (714) 273-9071 email: kpetruna@gmail.com

2018/2019 **CALENDAR OF EVENTS**

Upcoming SFEA Educational Dinner/Meetings

Speaker **Topic**

February 7 Steve Norris from Plasma Technology Inc. " What is Thermal Spray?"

March 14 Wanda Allen.

TBD

Founder, Followup Sales Strategies

Follow Up Strategies That Will Get More Clients and Close More Sales

April 11 Sam Bell from Metal Surfaces

"How Ya Doin" Pre-control charts are an SPC technique whose time has come. The approach provides surface finishers with a rapid check of process status.

TBD May 9

> Newsletter/Website **Sponsor Ads**





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MFASC Continuing Education Seminars

Steven's Steakhouse 5332 E. Stevens Place, Commerce, CA 3:00-5:00

Click Here for the Southern Chapter Events



2019 LEGISLATIVE ACTION DAY – SAVE THE DATE



MFASC GOLF FUNDRAISER – SAVE THE DATE

May 20, 2019

March 18, 2019

For MFASC meeting information call:

MFASC Headquarters — Veronica Anderhalt - (818) 238-9590

Check out the SFEA Web Site!!!



Click Here to Check it out!

The **SFEA** website is up and running, but we could still use your input so <u>Please</u> contact our web master

Kathy Petruna 714-969-1413 or kpetruna@gmail.com with any thoughts, ideas or info to make this a better and more useful site for you.

Help make this site something that everyone can benefit from.

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Chairman

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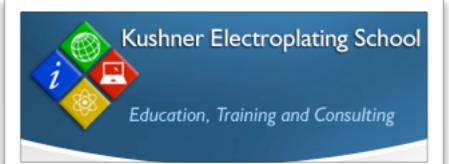


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California Resource **Management Association**

RCRA/DOT HAZMAT TRAINING

RCRA/DOT HAZMAT Training Course sponsored by the California Resource Management Association.

For Generators who Manage Hazardous Waste / Sign Manifests, Drivers, Loaders (90-day, 180-day area).

This 1-Day class informs students of the current regulations pertaining to hazardous materials and waste. Students will also be informed of the new post 9/11 DOT security regulations HM-232. Class includes Waste Management for employees working in the "90-Day" area.

REGISTER NOW for these upcoming dates:

Monday, January 28, 2019



Training & Education Update

Click Here for mor

information

Web Based Courses

Plating Essentials
February 5, 6, 12, 13, 19, 20
Reg Deadline Jan. 22
Environmental Stewardship:
Pollution Prevention
March 5, 6, 12, 13, 19, 20
Reg Deadline Feb. 19
Electroplating & Surface Finishing
Parts 1 & 2 (CEF)
August 6, 7, 13, 14, 20, 21, 27, 28
October 1, 2, 8, 9, 15, 16, 22, 23
Reg Deadline July 23
Electroplating & Surface Finishing
Pa rt-1 O nly
August 6, 7, 13, 14, 20, 21, 27, 28
Reg Deadline July 23
Electroplating & Surface Finishing
Part-2 Only
October 1, 2, 8, 9, 15, 16, 22, 23
Reg Deadline Sep. 17
Plating Essentials
September 3, 4, 10, 11, 17, 18
Reg Deadline Aug 20

September 3, 4, 10, 11, 17, 18 Reg Deadline Aug. 20

Electroless Deposition November 5, 6, 12, 13, 19, 20 Reg Deadline Oct. 22

In Person Class

Home-Study Program

Register Here

Airline & Aerospace Finishing

Aluminum Finishing

Chromium Plating for Engineering Applications

Corrosion & Salt Spray

Electroforming

Electroless Deposition

Electroplating & Surface Finishing

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medium sized plating facility in Tempe Arizona, currently has full time openings for a Process

Engineer and a Quote Estimator. For more information about our company see our website at www.goldtechind.com.

If interested, please send resumes to careers@goldtechind.com.

Anyone wishing to post a want ad, please email me all pertinent information.

kpetruna@gmail.com

THE "Surface Finishers Educational Association" LIBRARY <u>is here to serve you.</u>

The library location has been moved to Technic

1170 Hawk Circle,

Anahiem, CA. 92807

You can check out material by contacting any of the Officers.

(see page 2 for list of Officers)

Anyone wanting to see the library list

•••

please go to the website
www.sfeasc.org and click on the
library page. You can also download
a pdf file of the library list while
you're there.

Just a?

Do you know anyone who should be on the SFEA newsletter mailing list?

Send me their email address to kpetruna@gmail.com and I'll make sure they get all the mailings.

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An article published in the Products Finishing Magazine.

Fastener Coatings and the Coefficient of Friction

Friction is the most important mechanical property of a fastener. It's not a single parameter, however, but a complex system that needs to be analyzed thoroughly.

Article Post: 12/1/2018

RAINER VENZ

Managing Director, Coventya

Fasteners for the automotive industry must be protected from corrosion to ensure a long service life. Typically, pure zinc or zinc alloys are used as cathodic corrosion protection layers that can provide 720 hours or even more of neutral salt spray resistance, depending on the chosen system. In addition, zinc-nickel systems easily withstand the majority of cyclic corrosion tests and reduce the risk of galvanic corrosion.

But a fastener may have many more requirements than just extended corrosion protection.

Appearance is usually an important criteria and depends on the type of zinc or zinc alloy, as well as the passivate. It can be colorless, silver, bluish, iridescent or black. Topcoats can influence and stabilize the appearance as well. Depending on the final application on the fastener, other properties, like hardness, wear resistance or electrical conductivity can come into play.

Arguably, the most important mechanical property of a fastener, however, is a defined coefficient of friction (CoF).

Friction is All Around Us

Whenever two objects in contact move against each other, friction is involved—sometimes more, sometimes less. For example, to make ball bearings work effectively, the coefficient of friction, often symbolized by the Greek letter μ , must be as low as possible, typically 0,0015. A CoF of 0,005 – 0,03 is what makes ice skaters slide over a frozen lake. In contrast, there are also situations where high friction is beneficial. To ensure for example that cars can stop safely, brake systems (brake pad vs. brake disk) have a CoF 0,4. The friction value between tires and the asphalt on the road is approximately 1,0—clearly, the higher the better, to keep cars where we want them.





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community in souther California

Today's Top 6 Manufacturing Topics

Posted by Steven Brand on Dec 12, 2018

The manufacturing industry has been making rapid advancements in recent years, paving the way for cutting-edge technologies. With each new innovation, manufacturing gets more efficient and more precise, leading to the cost-effective production of safer and higher-quality products. But despite common perception, not all advancements are just for the manufacturing giants; today, many small and medium-sized manufacturers (SMMs) are able to take advantage of them too. Here's a look at a handful of recent technologies and topics trending now within the manufacturing industry

Six Manufacturing Trends Happening Now 1. Additive Manufacturing

Also known as 3D printing, additive manufacturing and metal additive manufacturing are using simple digital files to bring real structures to life, layer-by-layer. This innovative manufacturing technology was first conceived in the 1980s, but it has not been until recently that its true abilities have been realized. Now, it's transforming the methods manufacturers use to create various parts and products and the industries that have embraced it are witnessing tremendous benefits.

For many years, the cost of additive equipment was just too expensive for SMMs to consider purchasing. But new technologies have changed that, making the cost of entry much more affordable and cutting equipment prices to as low as \$3,500 for a reliable industrial-quality machine. In addition, additive manufacturing has the ability to reduce energy costs and the amount of capital needed to scale up production without making major changes, allowing SMMs to increase the speed and profitability of their business model.

Click here to read full article

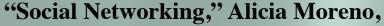
What You Missed



Speaker:

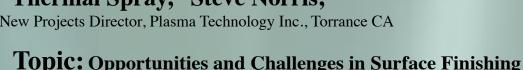
"Meta- Materials," Ed Kanegsberg,

Vice President, BFK Solutions LLC, Pacific Palisades CA.



Sales and Manager, Alum-A-Coat Anodizing, South El Monte, CA.





Hear about upcoming trends, pitfalls, and opportunities for surface finishers. Our panelists will share their expertise and experience in the technical and business aspects of surface finishing. Join this interactive program and discover what's new in surface finishing and what's on the horizon.



I hope you all enjoyed our entertainment for the evening: "The Silver Express"

Networking Time over Hors d'oeurves





German Buffet Dining

Christmas Raffle Prize Winners: left -right

\$75. winner: Char Barauskas

\$50. winner: Courtney Nauyen from ACM Technologies \$25 Winner: Bonnie Copeland from Ecosystems





Our December 50/50 Raffle Winner was Char Barauskas

