You're Invited!
Check us out

Surface Finishers Educational Association

Surface Finishers Educational Association

929 Newhall St., Costa Mesa, CA 92627

September 2016 Educational Dinner

Date: Thursday, *September 8th*, 2016

Where: **The Tartan Room**
An American Dinner House
2652 N. Tustin Ave.
Orange, CA. 92865
(714)282-1274

Time: **5:30PM Attitude Adjustment**
6:30PM Dinner

Speaker: Skip Schaefer, Product Manager Titan Heaters Inc.

Skip grew up in the "family tree" of people that produced electric immersion heaters for the plating and printed Circuit board industries. This is Skip's 45th year in the chemical process supply and equipment business.

Skip is A Vietnam Veteran serving in 1969 and 1970 and has a degree, thanks to the GI Bill , from Cal State Fullerton, with a degree in Business Administration.
Skip is also an Electrical Contractor in the State of Arizona, and as a C-10 Electrical License in California.

Topic:"Case Study: The Phoenix Project, Back from the Ashes - Redesign of a Metal Finishing Shop" A twenty year old plating shop had to be rebuilt after an electrical fire. Subjects include core drilling, epoxy coating of steel balls, electrical design and layout of plan, oven design, and plating and electropolishing. The talk illustrates techniques for building and design. It is of interest to those involved in process set-up and improvement as well as those involved in facilities design.

Dinner

Cost: **$30.00** ***For Reserved Dinners***
$35.00 ***For Walk-ins***

Dinner cost includes complementary tea and/or coffee with desert.
Access to a full bar for your dining pleasure before and after the meeting.
Make checks out to: SFEA

Menu: Your choice of entree:

Open Faced Prime Rib Sandwich, Chicken Marsala, or Grilled Salmon

Please RSVP by Clicking the Link to the Right
Hurry! Limited seating, !!!!

Click to RSVP

OR

Reservations: ***Please call or email in your reservation by*** **September 5th**

To: Kathy Petruna Ph: (714) 273-9071 email: kpetruna@gmail.com

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2015/2016 CALENDAR OF EVENTS

Upcoming SFEA Educational Dinner/Meetings

	Speaker	Topic
09/08/16	Skip Schaefer	"Case Study: The Phoenix Project, Back from the Ashes - Redesign of a Metal Finishing Shop"
10/13/16	James L. Unmack	In a Pickle: Working with HF, HCL, and Sulfuric in CA???
11/10/16	TBD	TBD
12/08/16	TBD	TBD
01/12/17	Frank Altmeyer	The Properties of Zinc/Alloys, Copper/Alloys and Precious Metals
02/09/17	Hunter Herman	Case Studies: Use of the Rack in Challenging Situations
03/09/17	TBD	TBD
04/13/17	TBD	TBD
05/11/17	TBD	TBD

(2016/2017 Speaker list is ready for suggestions)

Let us know: if there is a topic you would like to hear someone speak on …OR…if you or someone you know would like to be a speaker for next year. (Speakers get their dinner comped !!!)

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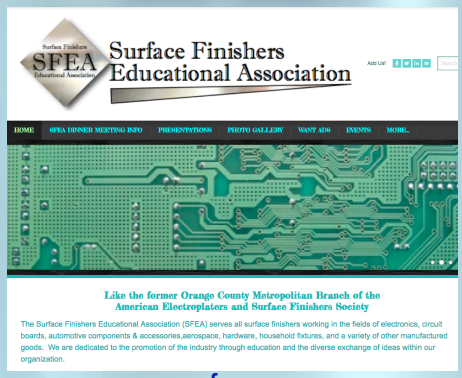
Check out our Web Site!!!



www.sfeasc.org

Click Here to Check it out!

The ***SFEA*** website is up and running, but we could still use your imput …. so Please 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.

MFASC *Continuing Education Seminars*

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

CUPA Inspections
September 20, 2016
Select Registration Options (click for location)

MFASC Metal Finishing Association of Southern California, Inc.
MFANC Metal Finishing Association of Northern California, Inc.

Save the date!

Floor Management Plan, HAP'S
October 19, 2016
Select Registration Options

Click here to print the registration form.
Click here to register online.

CAL/OSHA Update, Injury & Illness Prevention Program, Hazard Communication/Prop 65 65
November 16, 2016
Select Registration Options

Click Here for the Southern Chapter Events

For MFASC meeting information call:
MFASC Headquarters—
Veronica Anderhalt - (818) 238-9590

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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:

Sorry, they haven't updated their website yet, but the New date for training is:

REGISTER NOW for these upcoming dates:

Monday, September 12

Monday, November 7

AESF Foundation — NASF — Training & Education Update

Web Based Courses

Click Here for more information

Electroforming

Electroplating & Surface Finishing
16 Two-hour Sessions Oct 4, 5, 11, 12, 18, 19, 25, 26
Part 2 Only Eight Two-hour Sessions October 4, 5, 11, 12, 18, 19, 25, 26

Plating Bootcamp
Six Two-hour Sessions September 6, 7, 13, 14, 20, 21

In Person Class

Industrial & Precious Metals Plating
November 14-15 I Charlotte, NC

Home-Study Program

Register Here

- Airline & Aerospace Finishing
- Aluminum Finishing
- Chromium Plating for Engineering Applications
- Corrosion & Salt Spray
- Electroforming
- Electroless Deposition
- Electroplating & Surface Finishing
- Industrial & Precious Metals Plating
- Just the Basics in Electroplating
- Pollution Prevention
- Wastewater Treatment & Control
- Zinc, Zinc-Alloy Plating

Want Ads

Anyone wishing to post a want ad, please email me all pertinent information.
kpetruna@gmail.com

Need a Job? Have a position to fill?
Need to sell or buy used equipment?

Place your ad here!

THE "Surface Finishers Educational Association" LIBRARY
is here to serve you.

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.

LINKS

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

PF PRODUCTS FINISHING

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An article published in the
Products Finishing Magazine.

Balancing an Electroless Nickel Bath to Optimize Performance

Article From: Products Finishing, Lloyd Ploof, Technical Service Provider from Metal Chem
Posted on: 8/1/2016

While today's EN baths are much more user friendly than they were even 10 years ago, plating shops still strive to maintain consistent, trouble-free operation. The following provides a basic understanding of EN bath control.
Since its discovery in the late 1940s, electroless nickel (EN) has become widespread in worldwide manufacturing. It is used in almost every industry: automotive, oil and gas, aerospace, electronics and consumer goods, to mention just a few. The U.S. market for EN plating today is estimated at over $400 million.

While today's EN baths are much more user friendly than they were even 10 years ago, plating shops still strive to maintain consistent, trouble-free operation. The following provides a basic understanding of EN bath control.

Bath Stability

EN baths are auto-catalytic, meaning they are self-starting, and do not need an external DC power supply or rectifier to coat a substrate. The "electricity," or electrons, come from the bath itself; specifically from the reducing agent sodium hypophosphite. Because the power for the nickel deposition comes from a chemical in the bath (sodium hypophosphite), and because most chemical reactions are affected by temperature, pH, concentration, contamination and the presence of other chemicals, the EN deposition reaction can vary widely depending on how the bath chemistry and operating parameters are controlled.

When the EN bath and its parameters are in an optimum state, the reaction and the deposition goes smoothly, and a quality EN deposit of the proper phosphorus content with minimal pitting or roughness is achieved. But, if not controlled properly, numerous issues can surface. Most of the issues relating to bath imbalance can be characterized as the bath being either too stable or not stable enough. By understanding the concept of bath stability, anyone can operate a fairly trouble-free EN system.

Click here to read full article

CMTC Creating Solutions
News for Manufacturers

California Manufacturing Technology Consulting

A non profit dedicated to improving the manufacturing community in souther California

An Overview of Robotics in Manufacturing [Part 1 of 2]

Posted by Ellen McKewen on Jul 19, 2016 7:30:00 AM

The word "robot" comes from the Czech word "robotnik", meaning "to slave." Factories started using these machines in the early 1960's to handle some of the more dangerous or mundane tasks that humans didn't want to do. However, they did more than fill unwanted factory jobs; they completed the work with unprecedented speed and precision. Today, robots perform all kinds of tasks and can be classified according to different criteria such as:

Type of movement

Application

Architecture

Brand

Ability to be collaborative

As labor costs rise and competition for low-wage overseas locations increases, more and more manufacturers are utilizing robot technologies. In fact, 90 percent of all modern robots can be found in factories.

There are six major types of industrial robots used for various tasks:

1. Articulated

Articulated robots have rotary joints that allow for a full range of motion. They can perform very precise movements which makes them useful in manufacturing lines where they need to bend in different directions. Multiple arms can be utilized for greater control or to execute multiple tasks at once.

The main advantage of articulated robots is the flexibility and dexterity. They can move and manipulate a variety of objects while performing small tasks with greater speed and consistency than human workers.

2. Cartesian

Also referred to rectilinear or gantry robots, Cartesian robots have three linear joints that move in different axes (X, Y, and Z). The rigid structure of these robots allows for advanced precision and repeatability. They are often used in assembly lines for performing simple movements such as picking up and moving bottles.

Due to the relatively simple design and mechanic structure, Cartesian robots are fairly inexpensive to make. They can be the cheapest solution for simple pick and place operations or other tasks that do not require extensive movement

Click here to read full article

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