

A P R I L



Surface Finishers
Educational Association
929 Newhall St., Costa Mesa, CA. 92627

2023

Educational Zoom Meeting

Date: Thursday, **April 13th, 2023**
Where: Zoom Meeting (Where ever you are)
Time: **9:00 AM :** Meeting call to order with introductions,
Announcements and Speaker Introduction.
9:15 AM : Speaker and Q&A
10:00 AM : Meeting will adjourn,

[Click Here to Register](#)

Topic:

“Parts Handling In Electroplating - Rack, Barrel, Hoist, Hand-Wire”

OVERVIEW: In metal finishing “parts handling” requires attention and instruction. So many variables must be noted, such as proper electro-current contact, maximum loading capacity, drop-age prevention, racking marks, and personnel training. There are many tools used in the electroplating industry, today we will discuss pin-racking, portable barrel (tumbler), automated hoist systems, and hand-wire for prototype or custom orders.

Speaker:

Alicia Marino, from Chrome Plating USA

Alicia Moreno has been owner / co-owner of 2 metal finishing companies. As one of the few women in the electroplating and electrochemistry industry (decorative chrome plating, powder coating and anodizing), she has more than 20 years of experience. Alicia was featured in-vehicle magazines under “Tech Talk”. She is a member of SFEA - Surface Finishers Educational Association and AWWI Association of Women in the Metal Industry. She comments on www.Finishing.com

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2022/2023 CALENDAR OF EVENTS

Upcoming SFEA Educational Dinner/Meetings

Date	Speaker	Topic
April 13	Alicia Moreno From Chrome Plating USA	"Parts Handling In Electroplating - Rack, Barrel, Hoist, Hand-Wire"
May 18 (Note the date)	Justin Guzman from Aircraft Xray Laboratories	"Metal Finishing and NDT: Learning from the Past, Investing in the Future"

Barbara Kanegsberg (Program Chair) along with the rest of the SFEA board members, are hard at work lining up the 2022/2023 speaker list. We strive to find interesting and educational topics and knowledgeable speakers that will bring a message to benefit you and your business. You can help by....Letting 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 let us know!



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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

For MFASC meeting information call:

MFASC Headquarters—

Veronica Anderhalt - (818) 238-9590



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In person Classes

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2023 June 6-8
Cleveland, Ohio



Nasfourfin.com
THE Event for the Finishing Industry

SAVE THE DATE!

SUR/FIN 2023

Join us for three days of informative programs, and activities from **June 6-8, 2023 in Cleveland, Ohio.** Registration Coming Soon. For more information on exhibiting or sponsorships contact Alan Goodin at AGoodin@kellencompany.com.



METAL FINISHING ASSOCIATION
OF CALIFORNIA MFASC | MFANC



SAVE THE DATE! MFASC ANNUAL GOLF TOURNAMENT & FUNDRAISER

Industry Hills Golf Club

May 15, 2023

[Register Here](#)



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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: LIMITED

SPACE available: **May 8th and July 17th, 2023**

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Check out the SFEA Web Site!!!



www.sfeasc.org

[Click Here to Check it out!](#)

The **SFEA** website is up and running, but we could still use your input 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.

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

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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.



<http://www.pfonline.com>

An article published in the
Products Finishing Magazine.

How to Maximize Nickel Plating Performance

The advantages of boric acid-free nickel plating include allowing manufacturers who utilize nickel plating to keep up the ever-changing regulatory policies and support sustainability efforts.

STEFFEN HABEKUSS, TECHNIC

Nickel plating has a vast amount of applications in the electroplating industry. Nickel is needed in electroforming, PCB plating, and nearly all electronic components, either as an intermediate layer or as a final finish.

Nickel solutions are very simple to make up. To make up any electrolytic solution, first we need a source of metal, which in this case is nickel. Typically, nickel sulfate would be utilized, even though, depending on the application, it might be better to choose nickel sulfamate. However, for the sake of this article, we will use nickel sulfate as the source of metal of choice.

We then need to add nickel chloride to the solution, to increase its conductivity, followed by a wetting agent, to make sure that the whole surface is thoroughly wetted. Depending on the individual case, different brighteners may be used to improve the appearance and metal distribution of the deposit. The last component in a standard nickel bath is a pH buffer. The vast majority of users prefer boric acid as a buffering agent. We will discuss why this is needed later on.

Let's look at the amount of metal in the different solutions. We are looking at a rack formulation here as an example. The metal quantities used in electrolytic solutions may vary slightly, but they should be close to the ones in Fig. 1

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Identifying and Eliminating the 8 Forms of Waste in Manufacturing

Continuous improvement and customer-first approaches such as Lean methodology can offer a critical advantage to small and medium-sized manufacturers (SMMs) competing in the global market. In addition to integrating automation with new technology and building a network of strategic partners, putting the customer at the center of process and performance decisions can allow SMMs to stay competitive.

Success in manufacturing today demands agility and operational excellence, which SMMs can attain through innovative thinking, swift adaptation, and *waste elimination* - all critical principles in implementing [Lean Manufacturing](#).

What Is Waste from a Lean Manufacturing Perspective?

Lean Manufacturing aims to eliminate any steps within a business or work process that do not create "value" as defined by the customer — when implementing Lean, all tasks performed must be viewed through the lens of **value-added work** and **non-value-added work**. Value-added work directly creates the features, characteristics, and benefits that the customer desires and is willing to pay for (e.g., operating the machine that produces a plastic comb). Non-value-added work is made up of tasks that the customer does not care about and does not want to pay for (e.g., material and labor cost from scrap products passed on to the customer in the price of the comb).

To be considered value-added work, the [following criteria](#) must be met:

1. Work that a customer is willing to pay for
2. Work characterized by change in form or function
3. Work that is performed properly the first time

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