



# ELECTROLESS NICKEL CONFERENCE 2023

September 26-28, 2023 | Milwaukee, Wisconsin  
HILTON MILWAUKEE CITY CENTER

The Premier Event for  
Electroless Nickel Professionals

[ELECTROLESSNICKELEVENT.com](https://ELECTROLESSNICKELEVENT.com)

PRESENTED BY

PF PRODUCTS  
FINISHING



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Business Media

## REGISTER EARLY AND SAVE

Register Before  
August 7, and

**SAVE \$100!**



## GROUP DISCOUNTS

Get a discount when registering  
three or more people from your  
company. See details on page 7.



# Join your peers for three days of electroless nickel plating knowledge!

## Who Attends ENC?

Regardless of experience, all EN professionals will find educational sessions and networking opportunities that can help improve skills and build business with comprehensive coverage of the entire cycle of electroless nickel plating.

## ENC 2023 is designed to give your operation a competitive edge!

At the Electroless Nickel Conference, you'll network comfortably with old friends and new partners alike, gaining deep process insights at educational sessions like:

- ▶ **Choosing the Right EN Solution**
- ▶ **Successful Plating of Aluminum Alloys**
- ▶ **Wastewater Treatment of EN bearing streams**
- ▶ **How to Future Proof Your Plant**
- ▶ **Reducing the Carbon Footprint of EN Plating**
- ▶ **Evolution of EN Application**
- ▶ **Pathways for Sustainability in EN processes**
- ▶ **Aspects of HPEN Coating**
- ▶ **And much more!**

### ENC University\* September 26



ENCU will provide those newer to electroless nickel with introductory education from some of the industry's most experienced professionals.

*\*Additional registration fee required.*

### Main Conference September 27-28



ENC's program will feature expert-led presentations on advanced electroless nickel plating technologies, problem solving, technical know-how, as well as OEM and tier supplier education.

## Thank You, Sponsors!

Come meet these leading plating experts in Milwaukee!

### GOLD SPONSORS



### SILVER SPONSORS

# ENC University Schedule

ENC UNIVERSITY   Tuesday, September 26, 2023	
<p>Are you newer to the world of electroless nickel plating and looking for a good start in your new career? Do you have team members at your shop that need an introduction to EN technologies and applications? ENC University is the kick-start from which anyone can benefit. This educational program, separate from our main schedule, will take place entirely on September 26th and provide a strong basis of education from industry experts that will propel those who enroll on the road to EN success.</p> <p><b>Please Note: Additional Registration Fee Required</b></p>	
SESSION 1: ENC UNIVERSITY	
TIME	PRESENTATION
7:00 am – 8:00 am	Registration & Continental Breakfast
8:00 am – 8:15 am	<b>Opening Statements and ENC 2023 Overview</b> Brad Durkin   Technical Director   Electroless Nickel Conference Todd Luciano   Publisher/VP Finishing & Valve Media   Gardner Business Media
8:15 am – 8:45 am	<b>EN The Development Story: From Lab Curiosity to Prime Finish - How EN Evolved</b> Boules Morcos   Plating Engineer   Dipsol
8:45 am – 9:45 am	<b>EN Properties: Help Me Choose the Best EN Deposit for the Application</b> Matt Sisti   Technical Advisor   MacDermid Enthone Industrial Solutions
9:45 am – 10:30 am	<b>EN Chemistry Balance and Proper Feeding</b> Boules Morcos   Plating Engineer   Dipsol
10:30 am – 10:45 am	Refreshment Break
10:45 am – 11:30 am	<b>EN Equipment: Choosing the Right Equipment = Success</b> Charles Johnson   President and Co-Owner   Palm Technology Inc.
11:30 am – 12:15 pm	<b>EN Bath Control: Important Considerations</b> Boules Morcos   Plating Engineer   Dipsol
12:15 pm – 1:15 pm	Lunch With the Experts
1:15 pm – 2:15 pm	<b>Pretreatment - Strategies for the Best Activation and Application of EN on Various Substrates</b> Brad Durkin   Technical Director   Electroless Nickel Conference
2:15 pm – 3:00 pm	<b>Troubleshooting: Strategies for Your Process</b> Boules Morcos   Plating Engineer   Dipsol
3:00 pm – 3:15 pm	Refreshment Break
3:15 pm – 5:15 pm	<b>Deposit Defects: Why do I Have Deposit Corrosion Failures? Myths &amp; Facts</b> Brad Durkin   Technical Director   Electroless Nickel Conference
5:15 pm – 6:00 pm	<b>Refresher with Refreshments</b> Instructors/Advisory Committee answer all your questions. All ENCU Attendees will receive their "Certificate of Completion" at this event.

# Conference Schedule

MAIN ENC CONFERENCE   Wednesday, September 27, 2023	
BEST PRACTICES & TECHNICAL OPPORTUNITIES TO IMPROVE PERFORMANCE AND EFFICIENCY	
TIME	PRESENTATION
7:00 am – 8:00 am	Registration & Continental Breakfast
8:00 am – 8:15 am	<b>Opening Remarks</b> Brad Durkin   Technical Director   Electroless Nickel Conference
8:15 am – 8:40 am	<b>Choosing the Right EN Solution</b> Travis Johnson   Lab Manager   Avtec Finishing Systems
8:40 am – 9:05 am	<b>Complex and Difficult EN Application Case Studies</b> Dan Englebert   Vice President, Technical Services   Imagineering Finishing Technologies
9:05 am – 9:30 am	<b>Successful Plating of Aluminum Alloys</b> Mike Aleksinas   Owner   Metal Chem, Inc.
9:30 am – 9:55 am	<b>Historical Applications &amp; Methods of Phosphorus Analysis and Control</b> Brad Durkin   Technical Director   Electroless Nickel Conference
9:55 am – 10:15 am	<b>Best Practices for EN-PTFE Plating</b> Michael Feldstein   President   Surface Technology, Inc.
10:15 am – 10:30 am	Refreshment Break
10:30 am – 10:55 am	<b>Electroless Nickel Pitting Types and Mitigation Strategies</b> Jordan Beavers   Technical Director   Metal Chem, Inc.
10:55 am – 11:20 am	<b>Understanding XRF Capabilities to Measure EN Coatings</b> Rob Weber   Technical Director   Fischer Technology
11:20 am – 11:45 am	<b>From Protection to Performance - Anodic Protection of Stainless Steel Tanks in Electroless Nickel Applications</b> Charles Johnson   President and Co-Owner   Palm Technology, Inc.
11:45 am – 12:10 pm	<b>Phosphorus Removal from Electroless Nickel Wastewaters Through Oxidation</b> Steven Buday   Director of Water Treatment   Haviland Enterprises, Inc.
12:10 pm – 12:30 pm	<b>Panel Discussion</b> This Q&A period will feature all above speakers. Be sure to have your questions ready!
BUSINESS OPPORTUNITIES FOCUSING ON PERFORMANCE AND EFFICIENCY	
12:30 pm – 1:55 pm	Networking Lunch
1:00 pm – 1:55 pm	<b>Cybersecurity Requirements for Defense Contractors</b> Scott Singer   CEO   CyberNINES
1:55 pm – 2:20 pm	<b>Marketing and Sales: All You Need is EN</b> Kurt Weamer   Director of Sales and Marketing   Wolkerstorfer Co. Inc.
2:20 pm – 2:45 pm	<b>Nickel Market Update</b> Andreas Donati   Commercial Director   Palm, Inc.
2:45 pm – 3:10 pm	<b>How to Future Proof Your Plant</b> Dean Halonen   Co-Founder, Head of Sales   Steelhead Technologies
3:10 pm – 3:30 pm	Refreshment Break



# Conference Schedule

MAIN ENC CONFERENCE (CONTINUED)   Wednesday, September 27, 2023	
3:30 pm – 3:55 pm	<b>Reducing the Carbon Footprint of EN Plating</b> Colin Peters   North America Business Manager   MKS/Atotech
3:55 pm – 4:20 pm	<b>Tips from a Top Shop</b> Michael Feldstein   President   Surface Technology, Inc.
4:20 pm – 4:45 pm	<b>How to Use Existing Job Shop Data to Streamline Production and Boost Profits</b> Jeff Halonen   CEO   Steelhead Technologies
4:45 pm – 5:10 pm	<b>Case Studies &amp; Strategies for Waste Treatment in EN Plating Facilities</b> David Calnan   Business Development   CCI-A Chemical Corporation
5:10 pm – 5:30 pm	<b>Panel Discussion</b> This Q&A period will feature all above speakers. Be sure to have your questions ready!
5:30 pm – 6:30 pm	<b>Reception and Networking</b>

MAIN ENC CONFERENCE   Thursday, September 28, 2023	
EN TECHNOLOGY TODAY AND TOMORROW APPLICATIONS	
TIME	PRESENTATION
7:00 am – 8:00 am	<b>Registration &amp; Continental Breakfast</b>
8:00 am – 8:15 am	<b>Opening Remarks &amp; Recap</b> Brad Durkin   Technical Director   Electroless Nickel Conference
8:15 am – 8:40 am	<b>Evolution of EN Applications</b> Brad Durkin   Technical Director   Electroless Nickel Conference
8:40 am – 9:05 am	<b>Pathways for Sustainability in EN processes</b> Douglas Hughes   Product Manager   MacDermid Enthone Industrial Solutions
9:05 am – 9:30 am	<b>Aspects of HPEN Coatings</b> Ambrose Schaffer   Global Product Line Manager   MacDermid Enthone Industrial Solutions
9:30 am – 9:55 am	<b>EN Plating Super-abrasive Tooling: Production Advances &amp; Equipment Upgrades</b> Jordan Donnelly   Plating R&D   Continental Diamond Tool Corporation
9:55 am – 10:15 am	TBD
10:15 am – 10:30 am	<b>Refreshment Break</b>
EN HYBRID APPLICATIONS	
10:30 am – 10:55 am	<b>Review of Traditional Hybrid EN Applications</b> Brad Durkin   Technical Director   Electroless Nickel Conference
10:55 am – 11:20 am	<b>Utilizing Duplex EN Coatings to Pass MIL DTL 38999 Testing Requirements</b> Joseph Zabielski   Technical Director   Ronatec C2C
11:20 am – 11:45 am	<b>Thermally Diffusion and Electroless Nickel as a Catalysis</b> Richard (Ian) MacMoy   President   Intermetallic Group
11:45 am – 12:10 pm	<b>Evaluation of EN Based Rough Colored Coatings on Aluminum Alloys</b> Ian Mardon   Materials Research Engineer   Cirrus
12:10 pm – 12:35 pm	<b>Hybrid EN Applications Including Thin Film PVD/CVD Matrix Coatings as a Performance Solution</b> Daniel Downey   Market Manager   Mustang Vacuum Systems
12:35 pm – 1:00 pm	<b>Conference Concludes: Final Remarks</b>

# Register Today!

Registration Fees			
Register Before August 7, 2023, and Save!			
<b>ENC CONFERENCE PASS</b> (Does Not Include ENCU)		<b>ENC UNIVERSITY PASS</b> (In Addition to EN Conference)	
Early Bird	\$695	Early Bird	\$395
Advance	\$795	Advance	\$495
On Site	\$895	On Site	\$595



### Group Discounts

**Group Discounts Are Available!**  
Have three or more people from your company registering for ENC23? Contact Beth Kasson for more details at: [bkasson@gardnerweb.com](mailto:bkasson@gardnerweb.com)



### Plan Your Stay

**Hilton Milwaukee City Center**  
509 W. Wisconsin Ave.  
Milwaukee, WI 53203  
(414) 271-7250

The Hilton Milwaukee City Center is set in the heart of downtown Milwaukee with lots of nearby entertainment, restaurants and shopping.

**Special Conference Group Rate**  
**\$204/Night**

Book your room by September 4th, 2023 and mention ENC 2023 to get the group rate.



# Electroless Nickel for the 21st Century.



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