



EVENTS

NASF Management Conference
 Washington Forum
 SUR/FIN 2009
 Conference Program
Technical Conference
 Bright Design Challenge
 SUR/FIN 2010

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My membership in NASF has given me access to networking with my peers that has proven invaluable in saving my company time and money. Add on the savings incurred from our government regulatory program and it's a win-win every time.

Ray Lucas, President, Valley Chrome Corporate – Job/Captive Shop Member

→ **EVENTS** → **SUR/FIN 2009** → Technical Conference

Track I	Track II	Track III
Preliminary Session: The Global Outlook on Nickel	Session 1: Surface Finishing Research	Session 2: Surface Preparation
Chair: Christian Richter	Chair: Eric Brooman	Chair: William Nebiolo
Dr. Eric Brooman, Winner Scientific Achievement Award, Blum Lecture: Nickel in Surface Finishing: A Glorious Past – An Uncertain Future	No Presentation	No Presentation
Tony Hart, European Regulatory Action on Nickel and REACH , European Nickel Industry Association	Separation of Liquid Organic Mixtures by Diffusional Permeation Through Non-Porous Polymer Membranes , Xavier Albert Ventura, Laboratory of Electrochemical Research & Development	A Comparison of the Advantages and Disadvantages of Assorted Mass Finishing Techniques , William P. Nebiolo, REM Chemicals, Inc.
Dr. Hudson Bates, Recent Scientific and Technical Developments on Nickel , Nickel Institute	Removal of Hexavalent Chromium by Emulsion Liquid-Phase Separation Membrane Technique , Xavier Albert Ventura, Laboratory of Electrochemical Research & Development	Cleaning Processes for High-Quality Plating , Barbara Kanegsberg, BFK Solutions, LLC Technical Paper
Moderator: Christian Richter Panel: Warren Smith, Vale Inco (Canada), Francisco Martins, Votorantim Metals (Brazil), Surface Finishing Industry Representative (Japan), and Patrick Benaben (France)	Removal of Iron and Other Metal Impurities from Chromium Plating Solutions , Dr. Sergey S. Kruglikov, Nadya Kolotovkina & Tatyana Ladygina, S.S. Kruglikov Consultants Technical Paper	A Method for Quantitative Determination of the Cleaning Power & Capacity of the Aqueous Cleaning Solutions, Dr. M. Aroyo, Technical University of Sofia, Bulgaria Technical Paper
Electrochemical Regeneration of Cupric Chloride Etching Solutions , Dr. Sergey Kruglikov, Dmitry Turaev & Ann Busikova, S.S. Kruglikov Consultants Technical Paper	Niobium Electropolishing Using a HF Free Electrolyte , A. Lozano-Morales, M. Inman, and E.J. Taylor, Faraday Technology, Inc. Technical Paper	
Replacement of a Perchloroethylene Degreaser , Allison Marsh, Concurrent Technologies, Mary Cera, Oklahoma Air Logistics Center & Aurelio Irizarry, Air Force Research Laboratory Technical Paper	Surface Cleaning with Laser Technology , George Heidelmann, Adapt Laser Systems Technical Paper	
Technical Conference Reception		

Session 3: Surviving 2009 Economic Outlook & Advice	Session 4: Light Metals Finishing	Session 5: Decorative Plating
Chair: Michael Siegmund	Chair: James Lindsay	Chair: Mike Barnstead
	Direct Plating of Electroless Nickel onto Magnesium , Rich Bellemare, OMG	A New Plating-on-Plastic Process for Chrome Plating Non-ABS Substrates , Robert Hamilton, MacDermid Inc.,

	Electronic Chemicals Technical Paper	Charles Buechler & Stuart Brown, General Motors Technical Paper
<p>Keynote: Dr. Ken Mayland, ClearView Economics, LLC, What will be the Signs of the Coming Recovery</p>	Selective Plating on Titanium Alloys , Darrin Radatz, Ani Zhecheva & Sid Clousera, SIFCO Applied Surface Concepts Technical Paper	Metallizing of Plastics with Virtually Hexavalent Chromium Free Etch Solutions , Dr. Andreas Fath, Hans Grohe AG & Dr. John McCaskie, Surface Science Consultants Technical Paper
	Zincate Free Plating of Beryllium, Magnesium, Aluminum and Their Alloys , Dr. John W. Bibber, Sanchem, Inc. Technical Paper	Electroless Plating on Plastic Induced by Selective Laser Activation , Y. Zhang & J.S. Nielsen, Technical University of Denmark & P.T. Tang, IPU
	Sputter Seeded Activation for Electroless Nickel Plating on Composite Alloys , Dr. Leonard Nanis, LN3 Electrochemical Engineering Technical Paper	Investigations into the Performance of Multi-layer Nickel Coatings in both CASS and Exhaust Gas Corrosion Testing , Mike Barnstead, MacDermid & Will Schumacher, General Motors Technical Papers
<p>Panel Discussion: How will you survive 2009 to the Recovery</p> <p>Moderator: Michael Siegmund</p> <p>Panelists: Dan Brockman, Tech Metals, John Lindstedt, Artistic Plating, Jim Jones, Dixie Industrial Plating</p>	Comparison of Micro Arc Oxidation and Friction Stir Processed Coatings on Aluminum Alloy, Sudhir Baral, Anand Patil, Raghu Raj Rangaraju, Prasad Kalala, Raja K.S. & Misra M., University of Nevada, Reno Technical Paper	Maximizing Decorative Electroplating Productivity by Optimizing the Rack Design for a Family of Ten Different Door Handles , Bart van Den Bossche, Alan Rose, Jim Sweney & Jerry Phillips, Elysa Technical Paper
	New Energy Saving Electropolish/Anodize Process Produces "Type 23" Heavy Thickness and Salvage Hard Anodize for Discrepant/Worn Part Repair , Fred C. Schaedel, Alpha Process Systems Technical Paper	Alloys of Color , Ralph Dixon, Basically Nickel Technical Paper

Session 6: Surviving 2009 - Regulatory Outlook & Advice	Session 7: Trivalent Passivates: Are they Hexavalent Cr Free?	Session 8: Functional Plating
Chair: Jeff Hannapel	Chair: Eric Olander	Chair: Jennings Taylor
Regulatory Trends in Surface Finishing , Christian Richter, The Policy Group	Behavior of Trivalent Passivates in Accelerated Corrosion Tests, Tom Rochester, Plating Systems and Technologies, Inc Technical Paper	Ternary Alloy Process in Electroless Deposition Deposits , Duncan Beckett, MacDermid, plc Technical Paper
Fundamentals of Global EHS Regulations and How They Impact the Surface Finishing Industry , Darrin L. Lacheta, Tosoh SMD, Inc.		Advancement in PTFE Dispersions for Electroless Nickel Co-Deposition , Nicole Micys, MacDermid, Inc. Technical Paper
REACH: Emerging Compliance Challenges , Martha Marrapese, Keller & Hackman	Why do trivalent chromates work in one shop and not in another shop? Do trivalent chromates turn to hexavalent while they are in the field?	Comparison of Electroless Nickel & Functional Chromium , George E. Shahin, CEF, Atotech USA Technical Paper
Outlook on OSHA Priorities for 2009, U.S. Department of Labor Representative	Panel Discussion: Behavior Trivalent Passivates in Accelerated Corrosion Tests Moderator: Eric Olander Panelists: George Brutchen, Delphi (retired), Frank Altmayer, Scientific Control Labs Inc, Skip Griffin, MacDermid, James Jones, Dixie Industrial Plating, Doris Hill, GM & USCAR, Bing Xu, Ford & USCAR (invited) Presentations: Trivalent Chromium Issues Hexavalent Chrome in Trivalent Passivates?	A Stable Nanocrystalline Alloy Functional Coating, Allen R. Jones, Joe Hamann, Christopher A. Schuh & Alan C. Lund, Xtalic Corporation Technical Paper
Managing Compliance in Tough Economic Times , Joelle Zak, Scientific Control Laboratories, Inc.		Hard Chromium Plating Process Using Ionic Liquids , Patrick Benaban, Ecole Nationale Supérieure des Mines Technical Paper

	Sur-Fin 2009 Trivalent Chrome Panel Discussion Automotive Finishing: Recent Developments	
A Friendly Roadmap Through Environmental Air Quality Compliance Options, Robert Richardson, Pacific Rim Design and Development		Recent Developments in the Field of Aluminum Deposition Using Ionic Liquids , Megan Turner, BASF Corporation Technical Paper

Session 9: Green Surface Finishing	Session 10: Surface Finishing Research	Session 11: Precious and Specialty Metal Plating
Chair: Peter Gallerani	Chair: Melissa Klingenberg	Chair: William Sepp
Surface Finishing for the New Energy Economy , Dr. Keith Legg, Rowan Technology	Shockwave Induced Spraying: A New Cost-Effective Solid-State Spraying Process , Dr. Julio Villafuerte, Centerline Windsor Ltd.	Platinum Plating for Turbine Blades: Technology Development and Process Improvement , Stewart J. Hemsley & Dr. Zhou Wenxiu, Metalor Technologies Technical Paper
Activity Based Energy Usage & Cost for Surface Finishing Facilities , Peter Gallerani, Integrated Technologies, Inc.	Comparison of Biological Toxicity of Several Plating Products by Mammalian Cells , Dr. Akiko Ogawa, Dr. Naoaki Okuda & Dr. Hideyuki Kanematsu, Suzuka National College of Technology Technical Paper	Silver Plating from Cyanide Free Solutions , Steven Burling, Stewart Hemsley & Priscilla Hong, Metalor Technologies Technical Paper
Case Study: Reducing Water Usage and Wastewater Treatment Costs in an Electroplating Operation , Joelle Zak, Scientific Control Laboratories, Inc.	Change of Residual Stress with Alloy Film Formation by HSSL Process , Dr. Hideyuki Kanematsu, Kaori Shirakihara & Dr. Daisuke Kuroda, Suzuka National College of Technology Technical Paper	Analysis of Gold Consumption for the SBE Plater, Vibratory Plating and Barrel Plating, Dr. George Hradil, Technic Inc. Technical Paper
Reciprocating Air Knife (RAK) System for Drying Plating Racks, Daniel VanderPyl, Sonic Air Systems, Inc. Technical Paper	Bright Tin Plating Baths , Dr. Sergey Kruglikov, E. Averin, Kiryll Smirnov, Valery I. Kharlamov, S.S.Kruglikov Consultants Technical Paper	A New Low Ammonia, High Speed Palladium-Nickel Electroplating Process for Connector Applications , Mike Toben and Wan Zhang, Rohm and Haas Technical Article
Being a "GREEN" Finisher Can Mean Savings of Tens of Thousands of Dollars: How the Latest Technologies in Automated Covered Tanks are No Longer Just Saving You Energy, Brody Hankinson, KCH Engineered Systems Technical Paper	Development of Galvanostatic Pulsed Regimes to Deposit Uniform Arrays of Indium Nano-bumps for Flip Chip Bonding , W. Graham Yelton, Sandia National Laboratories	Sn-Ag Alloy Plating Films Mitigating Biofilm Formation , Dr. Hideyuki Kanematsu, Suzuka National College of Technology, Dr. Sheelagh Campbell & Dr. Iwona Beech, University of Portsmouth Technical Paper
Environmentally Friendly Plating System , Toshiaki Murai, Dipsol of America Inc. Technical Paper	Effect of Organic Additives for e-CMP of Copper, P. Cojocar, F. Muscolino, L. Magagnin & P.L. Cavallotti, Politecnico de Milano Chemistry & A.C. West, Columbia University Technical Paper	Indium Alloy as Cadmium Brush Plating Replacement , Paul Brezovec, Concurrent Technologies Corp.

Session 12: Unresolved Issues: The Future of Surface Finishing for Defense Applications	Session 13: Organic Finishing	Session 14: Zinc and Zinc Alloy Surface Finishing
Chair: Keith Legg	Chair: Steve Burling	Chair: Rick Delawder
The Emerging Future of Surface	Surface Finishing of Concrete Structures by a Silane Series Solvent , Dr. Hideyuki Kanematsu, Suzuka National College of Technology, Dr.	Dedicated Processes for Electroplating on Fasteners , Jean-Jacques Duprat, Coventya

Technology , Dr. Keith Legg, Rowan Technology	Kazumi Murakami, Mie Prefecture Industrial Research Institute & Dr. Kazuhiro Nakata, Osaka University Technical Paper	Group Technical Paper
Chromate Replacements in Naval Aircraft , Bill Nickerson, US Navy	Environmentally Friendly Anticorrosive Primer for Coil Coating Applications Based on Oxy-Amino-Phosphate of Magnesia, ArieH Calahorra & Saheer Khatib, Pigmentan Ltd. Technical Paper	Acid Zinc Nickel: A New Chapter in Zinc Nickel Plating , Irene Kubitza, Atotech Deutschland GmbH
Corrosion Prevention and Surface Technology Challenges for the Navy and Other DoD Coating Problems , Don Heileman, National Surface Technology Center	Corrosion Resistance Mechanism of Chromium Free Zinc-Rich Paint Film on Scratched Areas , Yasuhau Takayama, Yuken Industry Co., Ltd. Technical Paper	A Reality for Nano-Technology - High Performance Metal Surface Finishing by Nano-Ceramic Coating , Dr. Jay C-J Chu & Dr. Peter-Klaus Kos, Nanomate Technology
OEM Drivers and Replacement Options for Aircraft , Steve Gaydos, Boeing	How to Increase First Time Quality by Reducing Paint Defects, Kevin Lockwood, Paint Performance Consulting Technical Paper	Blackening Processes for Zinc Coatings, Tom Rochester, Plating Systems and Technologies, Inc. Technical Paper
Hard Chromium Replacement in Air Force Maintenance, Repair and Overhaul, Melissa Klingenberg, Concurrent Technologies	Laser Depainting at Air Logistics Centers: An Update, Thomas Naguy, Air Force Research Laboratory	Effect of Surface Processing Variables on Hydrogen Embrittlement of Steel Fasteners Part 2: Electroplating and non Electrolytic Processes , S. Brahim, IBECA Technologies Corporation & S. Yue, McGill University
Effect of Surface Processing Variables on Hydrogen Embrittlement of Steel Fasteners Part 2: Electroplating and Non-electrolytic Processes, S. Brahim, IBECA Technologies Corp. & S, Yue, McGill University	UV-Curable Coatings for DoD Applications: An Update, Georgette Nelson, Concurrent Technologies	Nano Particle Based Trivalent Passivates , Skip Griffin, MacDermid, Inc. Technical Paper

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 PHONE: (202) 457-8404 · FAX: (202) 530-0659
 1155 15th Street, NW · Suite 500 · Washington, DC 20005

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