

# FNA 2022 Technical Session Schedule Grid

Tues, Oct 4	Room 120	Room 121	Room 122	Room 123	Room 124
TECHNICAL TRACKS	MAINTENANCE	EQUIPMENT	ENERGY	COMPLIANCE	THE FUTURE
8:00 am - 8:35 am	Greener Heat Treating With Improved Furnace Linings Chiz Bros Mark Rhoa	Mesh Belt Technology for Continuous Austempering Heat Treating Can-Eng Furnaces International	Comparing the Emissions, Utilities & Carbon Footprint of Various Neutral Hardening Methods Surface Combustion William Bernard III	Keys to AMS 2750F/G Compliance Aerospace Testing & Pyrometry Andrew Bassett	Heat Treat Robotics... The Present, The Future ECM USA Dennis Beauchesne
8:50 am - 9:25 am	Improved Predictive Maintenance Using SCR Power Controllers Control Concepts Tony Busch	Multi-Chamber OR Single Chamber Vacuum Furnaces for Tool Steel Processing Gasbarre Thermal Processing Patrick Weymer	The Future of Gas Heating - Clean, Green, and Efficient WS Thermal Process Technology Steven Mickey	DFARS, NIST 800-171, & CMMC 2.0 Cybersecurity... What You Need to Know Bluestreak Consulting Joe Coleman	Is Industry 5.0 Hype or Could it Transform Manufacturing? Eurotherm Peter Sherwin
9:40 am - 10:15 am	The Effects Of Ceramic Coatings On Furnace Efficiencies & Product Quality ITC-Interational Technical Ceramics Greg Odenthal	A Cleaner, Safer and Greener Vacuum Oil Quench Furnace Solar Atmospheres of Western PA Bob Hill	Saving Energy & Money in Your Heat Treat Plant Rohde Schutzgasoeefen GmbH Joern Rohde	Documented Information / Root Cause Analysis & Corrective Action Radyne John Hauerwas	Plant Scheduling and AI, a Perfect Match? Steelhead Technologies Brent Halonen
10:30 am - 11:05 am	Vacuum Furnace Leaks... What You Need to Know Ipsen Matt Clinite	Thermocouples for use in Hydrogen to 2300C Nanmac Herbert Dwyer	Understanding Power Inefficiencies in Electrical Heating How to Save on Energy Costs RoMan Manufacturing David Pridmore	NIST SP 800-171 & CMMC 2.0 Requirements/Details Bluestreak Consulting Joe Coleman	Diffusion Bonding...It's Prime Time for This Joining Technology PVA TePla America Thomas Palamides
11:15 am - 5:30 pm	<b>FNA EXPO</b>				

Wed, Oct 5	Room 120	Room 121	Room 122	Room 123	Room 124
TECHNICAL TRACKS	QUENCHING	FERRITIC NITROCARBURIZING	PRODUCTIVITY	METALLURGY	CLEANING
8:00 am - 8:35 am	Clean, Green Quenching and Molten Salt AFC-Holcroft Michael Coburn	Ferritic Nitrocarburizing of Quenched and Tempered Steels – Compound Layer Phase Composition Profiles Center for Heat Treating Excellence Richard Sisson, Jr.	Combustion Valve Trains...Safety, Fundamental Tips Rockford Systems Bob Sanderson	Distinguishing Between Sigma Phase and Carbides in Component Failure Rolled Alloys Nicholas Hicks	Solving the 4 Most Common Cleaning Challenges in Heat Treating SAFEHEM Europe GmbH Stefan Lukowski and Thomas Wingens
8:50 am - 9:25 am	"Single Layer" Distortion Control for EV Components ALD Vacuum Technologies GmbH Volker Heuer	Optimizing Preoxidation for Your Nitriding Process Super Systems Chuck Thomas	LPC Simulation Tools: Bridging the Gap to Low Pressure Carburizing SECO/VACUUM Technologies Don Marteeny	Reducing Your Carbon Footprint With Cutting Edge Sustainable Combustion Honeywell Thermal Solutions Brian Kelly	Understanding Alkaline Cleaners... Which One is Right for You? Idemitsu Greg Steiger
9:40 am - 10:15 am	Understanding the Quenchant Report... Safety, Performance & Oxidation Quaker Houghton Scott MacKenzie	Improvement of Corrosion Resistance with Modified Ferritic Nitrocarburizing and Post-Oxidation Processes Nitrex Metal Jack Kalucki	Maximizing the Work Zone with Creative Fixtures Hi-Tech Furnace Systems Robert Kornfeld	Induction Tempering and Furnace Tempering of Induction Hardened 4140 Steel Rods Center for Heat Treating Excellence Richard Sisson	Using Hydrogen Atmospheres in a Newly Hydrogen Centric Energy Market Nel Hydrogen David Wolff
10:30 am - 2:30 pm	<b>FNA EXPO</b>				