

FNA 2024 Technical Session Schedule Grid

Tues, Oct 15	Room A210	Room A212	Room A220	Room A222	Room A224
TECHNICAL TRACKS	EMERGING TECHNOLOGIES	FURNACE MAINTENANCE AND EQUIPMENT	HEAT TREAT BUSINESS AND DIGITAL TRANSFORMATION	OPERATIONAL EFFICIENCIES	PROCESS ADVANCEMENTS
8:00 am - 8:35 am	Dry Operating Vacuum Installations to Support Sustainability Initiatives LEYBOLD USA Norbert Palenstijn	Cleaning Dirty Quench Oils IDEMISTU Greg Steiger	Advancing Your Career in Heat Treating - Creating Value through Industry Involvement THERMAL-VAC TECHNOLOGY Heather Falcone	Advanced Predictive Maintenance Strategies for Vacuum Furnace Efficiency & Uptime IPSEN Aymeric Goldsteinas	Impact of Ferritic Nitrocarburizing & Different Combinations of White Layers & Post-Oxidations on the Corrosion Resistance of Grey Cast Irons NITREX METAL Jack Kalucki
8:50 am - 9:25 am	Recent Advances in Heat Treatment Within Metal Additive Manufacturing CENTER for HEAT TREATING EXCELLENCE Thomas L. Christiansen	Reducing Carbon Your Carbon Footprint with Improved Furnace Linings CHIZ BROS Mark Rhoa	How to Reduce Labor Costs Through Furnace Optimization and Automation IPSEN Matt Clinite	The Impact of Oil Quenching – A Look at the Carbon Footprint and Cost of Vacuum vs. Atmosphere Processing GASBARRE THERMAL PROCESSING SYSTEMS Bryan Stern	Is Low Pressure Carbonitriding a Practical Hardening Option? SECO/VACUUM TECHNOLOGIES Don Marleeny
9:40 am - 10:15 am	The Processing of High-Temperature Materials: "Wonder Coatings" in Aerospace, Energy & Semiconductors PVA TePla MPA INDUSTRIE Thomas Palamidis	Tube-Type Advanced Ultraviolet Flame Detectors AZBIL NORTH AMERICA Tosh Ueda	Smart Heat Treatment: Industry 4.0 Innovations for Environmental & Energy Efficiency WATLOW Peter Sherwin	Efficient Furnace Power Solutions RoMan Manufacturing Brian Turner	Modern Quenching: High Convection Quench CENTER for HEAT TREATING EXCELLENCE Noah Kantor & Thomas L. Christiansen
10:30 am - 11:05 am	Vacuum Carburizing IS Carburizing at Its Best! ECM USA Dennis Beauchesne	Valve Train Fundamentals ROCKFORD COMBUSTION Robert Sanderson	The Evolving Economic & Environmental Outlook & How to Choose Heat Treat Technology ECM USA Dave Wolfe	What is Stoichiometric Combustion and Why is it Important? PSNERGY Roy Hardy	The Canary in the Furnace: Ceramic Disks Give Early Alerts to Temperature Changes in Heat Treatment Furnaces ORTON CERAMIC FOUNDATION Tom McInnerney
11:15 am - 5:30 pm	FNA EXPO				

Wed, Oct 16	Room A210	Room A212	Room A220	Room A222	Room A224
TECHNICAL TRACKS	EMERGING TECHNOLOGIES	FURNACE MAINTENANCE AND EQUIPMENT	ENERGY AND GASES	QUALITY, COMPLIANCE, MATERIALS	PROCESS ADVANCEMENTS
8:00 am - 8:35 am	Enhancing Vacuum Carburizing Efficiency: A Case Study of Solvent Cleaning in Airtight Degreaser at Mercury Marine SAFEHEM Stefan Lukowski	Flexible Gas Burner Technology: Preparing for Varying Fuel Compositions WS THERMAL PROCESS TECHNOLOGY Steven R. Mickey	Ensure Reliable Atmosphere Supply with Onsite Generation NEL HYDROGEN David Wolff	2024 AMS Specification Updates AEROSPACE TESTING & PYROMETRY Andrew Bassett	Igniting Innovation: Using Data & AI to Automate a Heat Treat Operation COMBUSTION Sefi Grossman
8:50 am - 9:25 am	Application of Vacuum Sintering and Hot Isostatic Pressing Sintering for Tungsten Carbide Production TAV VACUUM FURNACES Giorgio Valsecchi	The Future of Vacuum Oil Quenching SOLAR ATMOSPHERES of WPA Solar Manufacturing Bob Hill & Trevor Jones	Mixing and Control of Hydrogen Applications HONEYWELL THERMAL SOLUTIONS Matthias Rieken	CMMC's Impending Impact On The Metal Treating Industry BLUESTREAK CONSULTING Joe Coleman	Maximizing Heat Treat Operational Efficiency: Digitize Your Data for Automation COMBUSTION Sefi Grossman
9:40 am - 10:15 am	Quintus Purus: Development of Clean HIP Processing QUINTUS TECHNOLOGIES Chad Beamer	Understanding the Cooling Curve Test QUAKER HOUGHTON D. Scott MacKenzie	Power Quality Issues Facing the Industrial Heat Treat Industry CONTROL CONCEPTS Tony Busch	Deep Dive Into Top Nadcap Findings PYRO CONSULTING Doug Shuler	The Potential of Networked Process Controllers & Digital Twin in Heat Treatment NITREX METALS Frank Pietracupa
10:30 am - 2:30 pm	FNA EXPO				