

2025 PEI Technical Forum, Suppliers' Mart and "Back-to-Basics" Workshop Program

***Please note that these presentations are subject to change due to travel, scheduling, or other possible issues**

All times listed are Eastern Time (US)

Monday March 10th, 2025 Early Registration & Arrivals

4:00 PM – 6:00 PM Early arrivals & registration

Tuesday March 11th, 2025 40th Back-to-Basics Workshop and 34th Suppliers' Mart

Chairman: David Mitchell – Whirlpool Corporation

Faculty:

7:30 AM – 8:30 AM Registration

8:30 AM – 8:45 AM Welcome and Introductions

8:45 AM – 12:00 PM B2B Session One
Introduction to Porcelain Enamel
Steel (metal) selection
Design and fabrication
Cleaning and metal preparation
Wet P/E coating and Mill Additions

12:00 PM – 1:00 PM Lunch

1:00 PM – 5:00 PM B2B Session Two
Ball Milling
Electrostatic powder coating
Drying and firing
Inspection, handling and storage
Defect analysis and troubleshooting

5:30 PM – 7:30 PM Suppliers' Mart Reception
Our exhibition will take place in the hotel after the completion of the presentations. We will provide you appetizers and drinks at this wonderful networking opportunity.

Wednesday March 12th, 2025 87th PEI Technical Forum and 34th Suppliers' Mart

8:30 AM - 8:45 AM

Welcome and Introductions

Frank Mohar – PEI President
Tech Forum Chairman

8:45 AM – 9:45 AM

A. I. Andrews Memorial Lecture

“AI in the Manufacturing World,” Josh Blankenship, TopSpot

9:45 AM – 10:30 AM

Laboratory Investigations

“Laboratory Investigation 1,” Vibrantz Technologies

“Laboratory Investigation 2,” PEMCO International

10:30 AM – 10:45 AM

PEI Awards Presentation – Cullen Hackler and Stewart Hackler

10:45 AM – 11:00 AM

Break

11:00 AM – 12:00 PM

Porcelain Enamel Systems

“Automation Defect Identification,” Brett Emerald, Polyvision Corporation

“Closed Loop Enamel Spray System,” Wayne Albergotti, Worldwide Finishing & Supply

12:00 PM – 1:00 PM

Lunch

1:00 PM – 2:30 PM

Drying and Firing I

“Different Shapes of Furnaces and Their Behavior,” Paolo Colombo, Trasmetal

“Porcelain Enameling Furnace Efficiency and Sustainability,” Jeff Rafter, IHEA

“Case Study: Repurposing An Old Straight-Through Furnace to a U-Shape and it's Benefits,” Worldwide Finishing & Supply

2:30 PM – 2:45 PM

Break

2:45 PM – 3:45 PM

Pre-Treatment for Enamel Systems

“Laser Welding,” Dean Brennan, IPG Photonics

“Blasting,” Brian Hastings, Pangborn

3:45 PM – 4:00 PM

Break

4:00 PM – 5:00 PM

Enameling Processes

“Enamelability and Avoiding Fischale,” Pete Kullen, US Steel

“Robotics for Enamel Spray,” Dave Wagenhauser, FANUC

5:30 PM – 7:30 PM

Suppliers’ Mart Reception

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5:30 PM – 6:00 PM

ASTM B08.12 Committee Meeting

Thursday March 13th, 2025

87th PEI Technical Forum

8:45 AM - 9:00 AM

Welcome and Introductions

9:00 AM – 10:45 AM

Porcelain Enamel Processes

“Powder Application,” Frank Mohar, Nordson Corporation

“Deeper Look at Furnace Types for more Abnormal Application,” Worldwide Finishing & Supply

“Topic TBD,” Marco Ghirimoldi, Wagner Spray Systems

10:45 AM – 11:00 AM

Break

11:00 AM – 11:30 AM

TBD

11:30 AM – 12:00 PM

PEI Committees and Programs

“ASTM B08.12,” Charles Baldwin, Vibrantz Technologies

“PEI Tech Forum Proceedings,”

“The State of the Institute,” Stewart Hackler, PEI

12:00 PM – 1:00 PM

Lunch (for members of the group tour only)

1:00 PM – 3:00 PM

We will visit the nearby Thomson Enamel Factory and the Carpenter Enamel Center in Covington, KY (only about 10–15-minute drive from the hotel). We will be able to see the Thomson Enamel production process and will also take some time to view the beautiful enamel artwork at the Carpenter Enamel Center. Additional registration is required.

3:00 PM

2025 PEI Technical Forum Concludes