

24th IEI Congress – Technical Program Schedule

Wednesday, May 30, 2018 - Session A - Gold Coast Room

8:00 AM	Opening and Introductions	Glenn Pfindt - A O Smith Corporation
8:15 AM	Welcome to Chicago	Mayor Rahm Emanuel – Chicago, IL
8:30 AM	Keynote: Global Business, Trade and Economic Review	Dr. Phil Levy - The Chicago Council

Session Chairman: Klaus-Achim Wendel (Wendel Email)

Materials and Technologies - I

9:15 AM	Novel Inkjet Inks and Porcelain Enamels for Digital Decoration	Oscar Ruiz - Torrecid SA
9:45 AM	Mobile Application of Porcelain Enamel	James Lakeman - Glasslined Technologies
10:15 AM	Coffee Break – French Room	

Enameling and the Environment

10:45 AM	Limits for Metals - Trace Elements or Poison?	Dr. Jörg Wendel - Wendel Email
11:15 AM	Evolutions of the Norms and Regulations in the European Market	Karine Sarrazy - Ferro France
11:45 AM	Enameling Without Nickel and Cobalt	Koen Lips - Prince Minerals
12:15 PM	Drinking Water and Food Contact Compliant Coated Enameled Surfaces	Jessica Lee - Colorobbia Italia
12:45 PM	Lunch - Camellia Room	

Session Chairman: Dieter Jacobs (Prince Minerals)

Electrostatic Powder Enameling - I

1:45 PM	Outstanding Enamel Appearance from Advanced Application Control Technology	Phil Flasher - Gema
2:15 PM	Automatic Powder Enameling Line for Water Heaters and Innovative Products	Vito Pirulli - New Furnace Italia
2:45 PM	Latest Development in Electrostatic Spray Equipment of Powder Porcelain Enamel	Yang Yi - Nordson (China)
3:15 PM	Coffee Break – French Room	

Laboratory Investigations

3:45 PM	Active Enamel Coated Wires for Concrete Reinforcement	Dr. Frank Kuchinski - Ceramics Composites and Coatings
4:15 PM	New Developments in the Field of Printing Processes and Process Control	Todd Barson – Ferro Corporation
4:45 PM	Research of Extra-Long Steel Pipe Enameling	Dr. Weizhong Jiang - Donghua University

Thursday, May 31, 2018 - Session B - Gold Coast Room

Session Chairman: Dr. Weizhong Jiang (Donghua University)

Fundamental Properties of Vitreous Enamels

8:00 AM	Reaction Kinetics at the Glass Steel Interface During Firing of Vitreous Enamels	Prof. Joachim Deubener - Clausthal Univ. of Technology
8:30 AM	Multi-Physics Modeling of Thermal Stresses in Layered Glass/Steel Composites	Charles Baldwin - Ferro Corporation
9:00 AM	Effect of Continuous Annealing Process on Microstructure and Properties of Ultra - low Carbon Cold Rolled Enamel Steel	Zhang Yi - Technology Center of Masteel
9:30 AM	Coffee Break – French Room	

Controlling Fishscale

10:00 AM	The Hydrogen Control in Enamelling Furnace: An Innovative Approach	Serena Corsinovi - Letomec S.r.l.
10:30 AM	Characterization of Hydrogen Trapping in Enameling Steels Using Thermal Desorption	Marc Leveaux - ArcelorMittal
11:00 AM	The HELIOS Approach to the Fish-Scale Defect: The Effect of Steel Thickness	Michelle Barsanti - Letomec S.r.l.
11:30 PM	Effects of Precipitation Characteristics on Fish Scale Resistance of Enamel Steel Sheet	Xu Chun - Shanghai Institute of Technology
12:00 PM	Lunch - Camellia Room	

Session Chairman: Ivan Camorani (Ferro Corporation)

New Enameling Materials

1:00 PM	The Development of Hot-Rolled Steel Strips and Plates for Two-Sided Enameling	Sun Quanshe - Baoshan Iron and Steel Co. Ltd.
1:30 PM	Fish Scale Resistant Enamels	Ismail Keskin - Keskin Kimya
2:00 PM	A Suitable Coloring Means for Electrostatic Powder Enamels	Naoki Mizutani – PT. Tomatec Indonesia
2:30 PM	Innovative Glass-Ceramic Coatings for Titanium Implants	Dr. Liudmyla Bragina - Kharkov Polytechnic Institute
3:00 PM	Coffee Break – French Room	

Materials and Technologies - II

3:30 PM	Diffusion of Elements from Enamel Surfaces	Eckhard Voss - Wendel GmbH
4:00 PM	Properties of Vitreous Enamel Coatings Deposited on Aluminum Foam	Stefano Rossi - University of Trento
4:30 PM	China Enamel Exhibition – December 8, 2018	China Enamel Industry Association
5:00 PM	25 th IEI Congress – Early Information	JEGA
5:15 PM	24 th IEI Congress – Closing Remarks	Jeff Robenson – PEI President

Thursday, May 31, 2018 - Session C - Walton Room

Session Chairman: Ronald Ehrencron (Ferro Corporation)

Vitreous Enameling Technology and Materials

8:00 AM Managing Essential Process and Know How
8:30 AM Upgraded Ready-to-Use (RTU) Powder
9:00 AM Lead-Free Enamels in Fine Arts
9:30 AM Coffee Break – French Room

Ron Ditmer - Ditmer Trading and Consulting BV

Onishi Hidekazu - TOMATEC (Xiamen) Fine Material

Dr. Olga Ryzhova - Ukrainian State University

Electrostatic Powder Enameling - II

10:00 AM New Enamel Powder Spray and Recovery Technology - Greater Production Flexibility
10:30 AM Enamel Powder Application on Water Heaters
11:00 AM Getting the Highest Transfer Efficiency with Your Porcelain Powder System
11:30 PM 50+ Years with Enamel
12:00 PM Lunch - Camellia Room

Chris Merritt - Gema

Marco Ghirimoldi - Wagner Group

Frank Mohar - Nordson

Martin Moravcik - martin design s.r.o.

Session Chairman: So Fukuda (TOMATEC)

Glasslined Equipment

1:00 PM Vitreous Enamel Coatings for Demanding Industrial Storage Applications
1:30 PM Austenitic Stainless Steel Glasslined Equipment
2:00 PM Process, Performance and Defects of Flow Coated Hot Water Heater Enamels
2:30 PM The Frit for Stainless Steel Enameling
3:00 PM Coffee Break – French Room

Saqlain Ali - Permastore Ltd

Giorgio Cappuccilli - Glasskem SRL

Yan Guo - Ferro-Suzhou

Chizuru Hashimoto - Tokan Material Technology Co.

Metal Preparation and Automation

3:30 PM Know Your Challenges Related to Mechanical & Chemical Cleaning/Pretreatments
4:00 PM Effect of Pre-Treatment on Enamel Properties
4:30 PM Automation, Information and Intelligent Equipment in the Enamel Industry
5:00 PM Additional presentations – return to Gold Coast Room

Suresh Patel - Chemetall

Xin Li - Wuxi Balcke-Duerr Technologies Co. Ltd

Zhu Haixiao - Dongguan Tims Machinery Equipment