

24th IEI Congress – Technical Program Schedule (Tentative)

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

8:00 AM	Welcome and Introductions	Glenn Pfindt - A O Smith PCD
8:15 AM	Keynote: Global Business and Economic Review	Dr. Phil Levy - The Chicago Council
<u>Materials and Technologies - I</u>		
9:00 AM	Novel Inkjet Inks and Porcelain Enamels for Digital Decoration	Carlos Concepcion - Torrecid SA
9:30 AM	Mobile Application of Porcelain Enamel	James Lakeman - Glasslined Technologies
10:00 AM	Coffee Break	

Enameling and the Environment

10:30 AM	Limits for Metals - Trace Elements or Poison?	Dr. Joerg Wendel - Wendel Email
11:00 AM	Evolutions of the Norms and Regulations in the European Market	Karine Sarrazy - Ferro France
11:30 AM	Enameling without Nickel and Cobalt	Koen Lips - Prince Minerals
12:00 PM	Drinking Water and Food Contact Compliant Coated Enameled Surfaces	Angelo Sole - Colorobbia Italia
12:30 PM	Lunch	

Electrostatic Powder Enameling - I

1:30 PM	Outstanding Enamel Appearance from Adv. Application Control Technology	Phil Flasher - Gema
2:00 PM	Automatic Powder Enameling Line for Water Heaters and Innovative Products	Vito Pirulli - New Furnace Italia
2:30 PM	Enamel Powder Application on Water Heaters	Marco Ghirimoldi - Wagner Group
3:00 PM	Latest Development in Electrostatic Spray Equipment of Powder Porcelain Enamel	Yang Yi - Nordson (China)
3:30 PM	Coffee Break	

Laboratory Investigations

4:00 PM	The Influence of CNT Additions on Enamel Adhesion	Kim Youngseok - LG Electronics
4:30 PM	The Frit for Stainless Steel Enameling	Chizuru Kusaba - Tokan Material Technology Co.
5:00 PM	Research of Extra-Long Steel Pipe Enameling	Dr. Jiang Weizhong - Donghua University

Thursday, May 31, 2018

Session B - Gold Coast Room

Fundamental Properties of Vitreous Enamels

8:30 AM	Reaction Kinetics at the Glass Steel Interface During Firing of Vitreous Enamels	Prof. Joachim Deubener - Clausthal Univ. of Technology
9:00 AM	Multi-Physics Modeling of Thermal Stresses in Layered Glass/Steel Composites	Charles Baldwin - Ferro Corporation
9:30 AM	Effect of Firing Process on Microstructure and Properties of 210 MPa Enamel Steel	Zhang Yi - Technology Center of Masteel
10:00 AM	Coffee Break	

Controlling Fishscale

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

New Enameling Materials

1:30 PM	The Development of Hot-Rolled Steel Strips and Plates for Two-Sided Enameling	Sun Quanshe - Baoshan Iron and Steel Co. Ltd.
2:00 PM	Fish Scale Resistant Enamels	Ismail Keskin - Keskin Kimya
2:30 PM	Development and Application of Masteel Cold Rolling Enamel Steel Plate	Zhang Yi - MAANSHAN Iron & Steel Co
3:00 PM	Innovative Glass-Ceramic Coatings for Titanium Implants	Dr. Liudmyla Bragina - Kharkov Polytechnic Institute
3:30 PM	Coffee Break	

Materials and Technologies - II

4:00 PM	Diffusion of Elements from Enamel Surfaces	Eckhard Voss - Wendel GmbH
4:30 PM	Active Enamel Coated Wires for Concrete Reinforcement	Dr. Frank Kuchinski - Ceramics Composites and Coatings
5:00 PM	Properties of Vitreous Enamel Coatings Deposited on Aluminum Foam	Stefano Rossi - University of Trento

Session C - Walton Room

Vitreous Enameling Technology and Materials

8:30 AM	Managing Essential Process and Know How	Ron Ditmer - Ditmer Trading and Consulting BV
9:00 AM	Upgraded Ready-to-Use (RTU) Powder	Onishi Hidekazu - TOMATEC (Xiamen) Fine Material
9:30 AM	Lead-Free Enamels in Fine Arts	Dr. Olga Ryzhova - Ukrainian State University
10:00 AM	Coffee Break	

Electrostatic Powder Enameling - II

10:30 AM	New Enamel Powder Spray and Recovery Technology - Greater Production Flexibility	Chris Merritt - Gema
11:00 AM	TBA	Anny Barcin - STR Teknik Makina
11:30 AM	50+ Years with Enamel	Martin Moravcik - martin design s.r.o.
12:00 PM	Getting the Highest Transfer Efficiency with Your Porcelain Powder System	Frank Mohar - Nordson
12:30 PM	Lunch	

Glasslined Equipment

1:30 PM	Vitreous Enamel Coatings for Demanding Industrial Storage Applications	Saqlain Ali - Permastore Ltd
2:00 PM	Austenitic Stainless Steel Glasslined Equipment	Giorgio Cappuccilli - Glasskem SRL
2:30 PM	Process, Performance and Defects of Flow Coated Hot Water Heater Enamels	Yan Guo - Ferro-Suzhou
3:00 PM	Enamellurgy in North America Yesterday and Today	Warren Norton - SRJ Steel
3:30 PM	Coffee Break	

Metal Preparation and Automation

4:00 PM	Know Your Challenges Related to Mechanical & Chemical Cleaning/Pretreatments	Suresh Patel - Chemetall
4:30 PM	Effect of Pre-Treatment on Enamel Properties	Xin Li - Wuxi Balcke-Duerr Technologies Co. Ltd
5:00 PM	Automation, Information and Intelligent Equipment in the Enamel Industry	Zhu Haixiao - Dongguan Tims Machinery Equipment