

## 24<sup>th</sup> 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	
<u>Enameling and the Environment</u>		
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	Release of Heavy Metals	Koen Lips - Prince Minerals
12:00 PM	Drinking Water and Food Contact Compliant Coated Enameled Surfaces	Angelo Sole - Colorobbia Italia
12:30 PM	Lunch	
<u>Electrostatic Powder Enameling - I</u>		
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	
<u>Laboratory Investigations</u>		
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 - LETOMECC 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