

Technical Session Day 1 Tuesday May 9, 2023 -Kokin					
Time	Program	Subject	Presenter	Affiliation	
9:00	9:20	Opening/Introduction			
Session Chairman		Jörg Wendel / Wendel Email			
9:20	9:40	Session 1	Innovative enamel coatings with improved mechanical properties by graphene and stainless steel addition	Stefano Rossi	University of Trento
9:40	10:00	Session 2	Processes to ensure adherence and their kinetics at the interface between vitreous porcelain enamels and sheet steel	Joachim Deubener	Institute of Non-Metallic Materials Clausthal University of Technology
10:00	10:20	Session 3	Effects of additives and pigments on electrostatic powder performance	Shinichi Kuwae	TOMATEC Japan
10:20	10:40	Session 4	Very Low Lithium Electrostatic Powder Enamels for Major Appliances	Charles Baldwin	Vibrantz Technologies
10:40	11:10	Coffee break			
Session Chairman		Koichi Tanaka / TOMATEC Japan			
11:10	11:30	Session 5	Limits for Metals – Trace Elements or Poison? Pt.3	Jörg Wendel	Wendel Email
11:30	11:50	Session 6	Food Contact Approved Cast Iron Enamels	Ismail Keskin	Keskin Kimya
11:50	12:10	Session 7	A New Horizon Direct-on Light Colours	Sander Pieters	PEMCO Belgium
12:10	12:30	Session 8	Characterization of Interaction of Candidate Vitreous Enamel Surfaces with Municipal Water	Nurullah ÇÖPOĞLU	Akcoat
12:30	13:30	Lunch			
Session Chairman		Koen Lips / PEMCO Belgium			
13:30	13:50	Session 9	Ball Mill Optimization	Jeffrey R. Hoffmann	Paul O. Abbe
13:50	14:10	Session 10	RELEASE FROM OBJECTS COVERED WITH PORCELAIN (VITREOUS) ENAMEL	Silvia Siliprandi	CISP
14:10	14:30	Session 11	Development of Hard Particles incorporated High Abrasion Resistant Enamel Coatings	Yasin Bozkurt YILMAZ	Akcoat
14:30	14:50	Session 12	Analytical instrumentation used for determination of release of chemical elements from porcelain enamels	Francesco Bitossi	Colorobbia Italia
14:50	15:20	Coffee break			
Session Chairman		Ismail Keskin / Keskin Kimya			
15:20	15:40	Session 13	Influence of Environmental Humidity on Electrostatic Dry Powder Enamel Spraying and Its Regulation	Pengfei Pan	Qingdao Jobon
15:40	16:00	Session 14	Impact to glass frit by the revision of ISO4531	Kenichi Tsunomori	TOMATEC Japan
16:00	16:20	Session 15	Regulations for migration tests and limits of toxic elements released from food contact enamelware: Worldwide standards comparison and Evolution in China (Mainland)	Weiwei Tang	Lucky Enamelware
16:20	16:40	Session 16	New development of ISO 4531 compliant Black electrostatic powder	Yansong He	TOMATEC Xiamen
-End of the 1st day-					

Technical Session Day 2 Wednesday May 10, 2023 -Kokin					
Time	Program	Subject	Presenter	Affiliation	
Session Chairman		Charles Baldwin / Vibrantz			
9:00	9:20	Session 17	Chemical Corrosion and Migration Behaviour of Food Contact SiO ₂ -B ₂ O ₃ -Na ₂ O-ZrO ₂ Based Glass-Ceramic Coatings	İremnur Ceylan	Akcoat
9:20	9:40	Session 18	New ERA of enamel coating equipment & facilities	Eray ABLUK	STRONG3000
9:40	10:00	Session 19	The manufacture of Architectural enamel panel	Hanxue Xing	Kaier
10:00	10:20	Session 20	Glass Hydrolysis Modeling and Its application in High Durability Porcelain Enamel Design	Yunxin Gu	Vibrantz Technologies
10:20	10:50	Coffee break			
Session Chairman		Yuji Nakazono / Arvos			
10:50	11:10	Session 21	Porcelain Enamel: Programmed Immortality	Roberto Spaggiari	CISP
11:10	11:30	Session 22	Microstructure and properties of high-strength cold-rolled double-sided enamel steel	Yi Zhang	Ma'anshan Iron and Steel
11:30	11:50	Session 23	Sustainable pretreatment solutions for improved profitability and reduced CO ₂ footprint	Brandon Lloyd	Atotec
11:50	12:10	Session 24	Roller kilns for burner caps and cast iron pots	Paolo Colombo	Trasmetal
12:10	13:10	Lunch			
Session Chairman		Stewart Hackler / PEI			
13:10	13:30	Session 25	Porcelain Enamel Design for Kitchen Parts	Toshiki Kawai	Takara standard
13:30	13:50	Session 26	Benefits of substituting borax pentahydrate with anhydrous borax in enamel glaze production	Kee Lung	Rio Tinto
13:50	14:10	Session 27	Atmosphere composition monitoring in enamelling furnace by using HELIOS MAGMA: Electrolux Italia experience	Serena Corsinovi	LETOMECC
14:10	14:30	Session 28	PROCESS AND QUALITY CONTROL SOFTWARE FOR COATING LINES	Yahya Keskin	Keskin Kimya
14:30	14:50	Session 29	Development Of Colored Majolica Enamel Frit On Enamel Quality Cast Iron Materials	Ahmed Husrev Isbilir Orhan Şahin	Algotrio Kimya
14:50	15:20	Coffee break			
Session Chairman		Stewart Hackler / PEI			
15:20	15:40	Session 30	Effect of Surface Treatment on Hydrogen Permeability Behavior of Enamel Steel	Ramazan Uzun	Eregli Iron and Steel Works
15:40	16:00	Presentation by next Congress' host			
16:00	16:20	Closing			
-End of the 2nd day-					