

# Technical Program (update 15.08.19)

Day I		August 28, 2019	
08:30-09:00	Registration and Poster Setup (2 <sup>nd</sup> floor)		
09:00-09:30	Opening Ceremony (IMPACT Forum Hall, 2 <sup>nd</sup> floor)		
09:30-10:30	Coffee Break & Exhibition (IMPACT Forum Hall, 2 <sup>nd</sup> floor)		
<b>Room</b>	<b>Sapphire 108 - 109</b>		
Chair			
10:30-11:15	PL-01 <b>Use of Boron Compounds in Energy Efficient Tile Production through Wet and Dry Preparation</b> Prof. Dr. Alpagut Kara, <i>Eskisehir Technical University, Turkey</i>		
11:15-12:00	PL-02 <b>A Self-Healing Environmental Barrier Coating (EBC) System with Nanocomposite Concept</b> Prof. Dr. Tadachika Nakayama, <i>Nagaoka University of Technology, Japan</i>		
12:00-13:30	Lunch & Exhibition (IMPACT Forum Hall, 1 <sup>st</sup> floor)		
<b>Room</b>	<b>Sapphire 108</b>	<b>Sapphire 109</b>	
<b>Session</b>	<b>Advanced Ceramics 1</b>	<b>Ceramic Industrial Technology 1</b>	
Chair			
13:30-14:00	ADV-I-01 <b>Nano Boron Carbide (B<sub>4</sub>C) Reinforced Polymer Matrix Composites for Shielding and Engineering Applications: Issues and Challenges</b> Prof. Dr. Cengiz Kaya <i>Sabanci University, Turkey</i>	IND-I-01 <b>A Review on the Structural Application of an Environmental Friendly Ceramic That Also Forgives</b> Prof. Dr. Wei-Hsing Tuan <i>National Taiwan University, Taiwan</i>	
14:00-14:30	ADV-I-02 <b>Ceramics Manufacturing by Laser Chemical Vapor Deposition</b> Prof. Dr. Takashi Goto <i>Tohoku University, Japan</i>	IND-I-02 <b>Green Performance Material Innovation for Urban Climate Resilience in Thailand</b> Prof. Dr. Thanawat Jarupongsakul <i>Chulalongkorn University, Thailand</i>	
14:30-14:45	ADV-I-03 <b>Preparation, Properties and Applications of Nanoporous Ceramic Aerogel Materials</b> Prof. Dr. Hyung-Ho Park <i>Yonsei University, South Korea</i>	IND-O-005 <b>Ceramic Tableware Products Certification for Thai Entrepreneurs</b> Chehasnah Haji-Cheteh <i>Department of Science Service, Thailand</i>	
14:45-15:00		IND-O-012 <b>Preparation of Silica Aerogel from Sodium Silicate Solution Extracted from Bagasse Ash via Ambient Pressure Drying</b> Charoen Panyo <i>Chiang Mai University, Thailand</i>	
15:00-15:15	ADV-O-024 <b>A Study on Organic-Silica Composite Aerogels with Enhanced Mechanical Properties</b> Kyu-Yeon Lee <i>Yonsei University, South Korea</i>	IND-O-018 <b>Effect of Particle Size Distribution on Thermal Shock Resistance of Alumina-Magnesia Castables</b> Kaname Hayashi <i>Kyoto Institute of Technology, Japan</i>	
15:15-15:30	Coffee Break (IMPACT Forum Hall, 2 <sup>nd</sup> floor)		
15:30-17:15	"PETROMAT" Poster Session (IMPACT Forum Hall, 2 <sup>nd</sup> floor)		
18:00-20:00	Banquet (IMPACT Lakeside)		

Day II		August 29, 2019	
08:30-09:00	Registration (2 <sup>nd</sup> floor)		
<b>Session</b>	<b>Advanced Ceramics 2</b>	<b>Ceramic Industrial Technology 2</b>	
Chair			
09:00-09:30	ADV-I-04 <b>Dielectric and Magnetic Properties of Frustrated Compound TMFe<sub>2</sub>O<sub>4</sub></b> Prof. Dr. Katsuhisa Tanaka <i>Kyoto University, Japan</i>	IND-I-03 <b>New Ceramic Tile Standards to Satisfy Consumer Needs and Expectations</b> Richard Bowman <i>Intertile Research Pty Ltd., Australia</i>	

Room	Sapphire 108	Sapphire 109
Session	Advanced Ceramics 2	Ceramic Industrial Technology 2
Chair		
09:30-10:00	<p>ADV-I-05  <b>Crystallization Kinetics of In-Doped and (In-Cr) Co-Doped TiO<sub>2</sub> Nanopowders</b>            Dr. Jim Low  <i>The Australian Ceramic Society, Australia</i></p>	<p>IND-I-04  <b>An Opportunity of Industrial Wastes in Ceramic Manufacturing</b>            Dr. Pitak Laoratanakul  <i>National Metal and Materials Technology Center, Thailand</i></p>
10:00-10:15	<p>ADV-O-026  <b>Synthesis of Nano-Ceramic Materials Using Novel Water-Assisted Solid-State Reaction Method</b>            Kenji Toda  <i>Niigata University, Japan</i></p>	<p>IND-O-021  <b>Influence of Black Rice Husk Ash on Physical and Thermal Properties in Chiang Mai Celadon Glazes</b>            Nophawan Dechboon  <i>Rajamangala University of Technology Lanna, Thailand</i></p>
10:15-10:30	<p>ADV-O-052  <b>Excellent C Doped TiO<sub>2</sub> Photocatalyst for Methylene Blue Degradation Activity under Natural Solar Light as Compare with In/C Doping</b>            Samroeng Narakaew  <i>Lampang Rajabhat University, Thailand</i></p>	<p>IND-O-022  <b>Effect of Thermal Expansion Coefficient of Dolomite and Stoneware on Crystallization Behavior in Willemite Glazes</b>            Nophawan Dechboon  <i>Rajamangala University of Technology Lanna, Thailand</i></p>
10:30-11:00	Coffee Break & Exhibition (IMPACT Forum Hall, 2 <sup>nd</sup> floor)	
Session	Advanced Ceramics 3	Glass and Coatings Technology
Chair		
11:00-11:15	<p>ADV-O-057  <b>Surface Modification of Metal Oxide Nanomaterials via Liquid-Liquid Biphasic Systems</b>            Yoshiyuki Sugahara  <i>Waseda University, Japan</i></p>	<p>GLA-I-01  <b>Phosphorescent Pigments Applications in Silicate Systems</b>            Prof. Dr. Bekir Karasu  <i>Eskisehir Technical University, Turkey</i></p>
11:15-11:30	<p>ADV-O-061  <b>Powder Injection Moulding of Zirconia and Its Composites Using Water Soluble Binder System</b>            Nutthita Chuankrerkkul  <i>Metallurgy and Materials Science Research Institute, Thailand</i></p>	<p>GLA-O-034  <b>Textured Glass Panel Supporter Enhanced Immobilized Titanium Dioxide for Photocatalytic Degradation of Methylene Blue</b>            Sittipong Aupree  <i>Lampang Rajabhat University, Thailand</i></p>
11:30-11:45	<p>ADV-O-071  <b>Enhancement of Dye Absorption Ability and Photocatalytic Performance under Visible Light Irradiation of Bulk g-C<sub>3</sub>N<sub>4</sub></b>            Tanaporn Narkbuakaew  <i>Chulalongkorn University, Thailand</i></p>	<p>GLA-O-040  <b>The Effect of Al<sub>2</sub>O<sub>3</sub>:SiO<sub>2</sub> Ratio on the Structure and Properties of Aluminosilicate Glass for Biomaterial Application</b>            Ekarat Meechoowas  <i>Department of Science Service, Thailand</i></p>
11:45-12:00	<p>ADV-O-080  <b>Study of High NIR Reflective Brown Pigment</b>            Krongkarn Sirinukunwattana  <i>Department of Science Service, Thailand</i></p>	<p>GLA-O-077  <b>Influence of MgO Addition in a Ceramic Matt Glaze: Structural Evolution and Crystallization</b>            Niti Yongvanich  <i>Silpakorn University, Thailand</i></p>
12:00-13:30	Lunch & Exhibition (IMPACT Forum Hall, 1 <sup>st</sup> floor)	
Session	Ceramic Art and Design	Ceramic Industrial Technology 3
Chair		
13:30-13:45	<p>ART-O-065  <b>Optimum Composition and Temperature to Produce Ceramic Accessories from Bone Ash</b>            Sutham Srilomsak  <i>Khon Kaen University, Thailand</i></p>	<p>IND-O-059  <b>Pozzolanic Material from Waste Calcium Hydroxide and Recycled Glass</b>            Chiraporn Auechalanukul  <i>King Mongkut's University of Technology Thonburi, Thailand</i></p>
13:45-14:00	<p>ART-O-070  <b>Contemporary Ceramic Creation with Jingdezhen Porcelain, an Experience from Artist-in-Residency Program at Shangyu Celadon Modern International Ceramic Center</b>            Pim Sudhikam  <i>Chulalongkorn University, Thailand</i></p>	<p>IND-O-073  <b>Development of Light Weight Porcelain using Inorganic Additives</b>            Sansanee Boonsalee  <i>Department of Science Service, Thailand</i></p>
14:00-14:30	Closing Ceremony	