

Technical Program

Day I		August 28, 2019	
08:30-09:00	Registration and Poster Setup (2 nd floor)		
09:00-09:30	Opening Ceremony (IMPACT Forum Hall, 2 nd floor)		
09:30-10:30	Coffee Break & Exhibition (IMPACT Forum Hall, 2 nd floor)		
Room	Sapphire 108 - 109		
Chair	Dr. Somnuk Sirisoonthorn, <i>Thai Ceramics Society & National Metal and Materials Technology Center, Thailand</i>		
10:30-11:15	PL-01 Use of Boron Compounds in Energy Efficient Tile Production through Wet and Dry Preparation Prof. Dr. Alpagut Kara, <i>Eskisehir Technical University, Turkey</i>		
11:15-12:00	PL-02 A Self-Healing Environmental Barrier Coating (EBC) System with Nanocomposite Concept Prof. Dr. Tadachika Nakayama, <i>Nagaoka University of Technology, Japan</i>		
12:00-13:30	Lunch & Exhibition (IMPACT Forum Hall, 1 st floor)		
Room	Sapphire 108	Sapphire 109	
Session	Advanced Ceramics 1	Ceramic Industrial Technology 1	
Chair	Dr. Natthaphon Raengthon <i>Chulalongkorn University, Thailand</i>	Assoc. Prof. Dr. Duangrudee Chaysuwan <i>Kasetsart University, Thailand</i>	
13:30-14:00	ADV-I-01 Nano Boron Carbide (B₄C) Reinforced Polymer Matrix Composites for Shielding and Engineering Applications: Issues and Challenges Prof. Dr. Cengiz Kaya <i>Sabanci University, Turkey</i>	IND-I-01 A Review on the Structural Application of an Environmental Friendly Ceramic That Also Forgive Prof. Dr. Wei-Hsing Tuan <i>National Taiwan University, Taiwan</i>	
14:00-14:30	ADV-I-02 Ceramics Manufacturing by Laser Chemical Vapor Deposition Prof. Dr. Takashi Goto <i>Tohoku University, Japan</i>	IND-I-02 Green Performance Material Innovation for Urban Climate Resilience in Thailand Prof. Dr. Thanawat Jarupongsakul <i>Chulalongkorn University, Thailand</i>	
14:30-14:45	ADV-I-03 Preparation, Properties and Applications of Nanoporous Ceramic Aerogel Materials Prof. Dr. Hyung-Ho Park <i>Yonsei University, South Korea</i>	IND-O-005 Ceramic Tableware Products Certification for Thai Entrepreneurs Chehasnah Haji-Cheteh <i>Department of Science Service, Thailand</i>	
14:45-15:00		IND-O-012 Preparation of Silica Aerogel from Sodium Silicate Solution Extracted from Bagasse Ash via Ambient Pressure Drying Charoen Panyo <i>Chiang Mai University, Thailand</i>	
15:00-15:15	ADV-O-024 A Study on Organic-Silica Composite Aerogels with Enhanced Mechanical Properties Kyu-Yeon Lee <i>Yonsei University, South Korea</i>	IND-O-018 Effect of Particle Size Distribution on Thermal Shock Resistance of Alumina-Magnesia Castables Kaname Hayashi <i>Kyoto Institute of Technology, Japan</i>	
15:15-15:30	Coffee Break (IMPACT Forum Hall, 2 nd floor)		
15:30-17:15	"PETROMAT" Poster Session (IMPACT Forum Hall, 2 nd floor)		
18:00-20:00	Banquet (IMPACT Lakeside)		

Day II		August 29, 2019	
08:30-09:00	Registration (2 nd floor)		
Session	Advanced Ceramics 2	Ceramic Industrial Technology 2	
Chair	Assoc. Prof. Dr. Oratai Jongprateep <i>Kasetsart University, Thailand</i>	Asst. Prof. Dr. Benya Cherdhirunkorn <i>Thammasart University, Thailand</i>	
09:00-09:30	ADV-I-04 Dielectric and Magnetic Properties of Frustrated Compound TMFe₂O₄ Prof. Dr. Katsuhisa Tanaka <i>Kyoto University, Japan</i>	IND-I-03 New Ceramic Tile Standards to Satisfy Consumer Needs and Expectations Richard Bowman <i>Intertile Research Pty Ltd., Australia</i>	

Room	Sapphire 108	Sapphire 109
Session	Advanced Ceramics 2	Ceramic Industrial Technology 2
Chair	Assoc. Prof. Dr. Oratai Jongprateep <i>Kasetsart University, Thailand</i>	Asst. Prof. Dr. Benya Cherdhirunkorn <i>Thammasart University, Thailand</i>
09:30-10:00	ADV-I-05 Crystallization Kinetics of In-Doped and (In-Cr) Co-Doped TiO₂ Nanopowders Dr. Jim Low <i>The Australian Ceramic Society, Australia</i>	IND-I-04 An Opportunity of Industrial Wastes in Ceramic Manufacturing Dr. Pitak Laoratanakul <i>National Metal and Materials Technology Center, Thailand</i>
10:00-10:15	ADV-O-026 Synthesis of Nano-Ceramic Materials Using Novel Water-Assisted Solid-State Reaction Method Kenji Toda <i>Niigata University, Japan</i>	IND-O-021 Influence of Black Rice Husk Ash on Physical and Thermal Properties in Chiang Mai Celadon Glazes Nophawan Dechboon <i>Rajamangala University of Technology Lanna, Thailand</i>
10:15-10:30	ADV-O-052 Excellent C Doped TiO₂ Photocatalyst for Methylene Blue Degradation Activity under Natural Solar Light as Compare with In/C Doping Samroeng Narakaew <i>Lampang Rajabhat University, Thailand</i>	IND-O-022 Effect of Thermal Expansion Coefficient of Dolomite and Stoneware on Crystallization Behavior in Willemite Glazes Nophawan Dechboon <i>Rajamangala University of Technology Lanna, Thailand</i>
10:30-11:00	Coffee Break & Exhibition (IMPACT Forum Hall, 2 nd floor)	
Session	Advanced Ceramics 3	Glass and Coatings Technology
Chair	Assoc. Prof. Dr. Pornapa Sujaridworakun <i>Chulalongkorn University, Thailand</i>	Dr. Anucha Wannagon <i>National Metal and Materials Technology Center, Thailand</i>
11:00-11:15	ADV-O-057 Surface Modification of Metal Oxide Nanomaterials via Liquid-Liquid Biphasic Systems Yoshiyuki Sugahara <i>Waseda University, Japan</i>	GLA-I-01 Phosphorescent Pigments Applications in Silicate Systems Prof. Dr. Bekir Karasu <i>Eskisehir Technical University, Turkey</i>
11:15-11:30	ADV-O-061 Powder Injection Moulding of Zirconia and Its Composites Using Water Soluble Binder System Nutthita Chuankrerkkul <i>Metallurgy and Materials Science Research Institute, Thailand</i>	GLA-O-034 Textured Glass Panel Supporter Enhanced Immobilized Titanium Dioxide for Photocatalytic Degradation of Methylene Blue Sittipong Aupree <i>Lampang Rajabhat University, Thailand</i>
11:30-11:45	ADV-O-071 Enhancement of Dye Absorption Ability and Photocatalytic Performance under Visible Light Irradiation of Bulk g-C₃N₄ Tanaporn Narkbuakaew <i>Chulalongkorn University, Thailand</i>	GLA-O-040 The Effect of Al₂O₃:SiO₂ Ratio on the Structure and Properties of Aluminosilicate Glass for Biomaterial Application Ekarat Meechoowas <i>Department of Science Service, Thailand</i>
11:45-12:00	ADV-O-080 Study of High NIR Reflective Brown Pigment Krongkarn Sirinukunwattana <i>Department of Science Service, Thailand</i>	GLA-O-077 Influence of MgO Addition in a Ceramic Matt Glaze: Structural Evolution and Crystallization Niti Yongvanich <i>Silpakorn University, Thailand</i>
12:00-13:30	Lunch & Exhibition (IMPACT Forum Hall, 1 st floor)	
Session	Ceramic Art and Design	Ceramic Industrial Technology 3
Chair	Asst. Prof. Dr. Wantanee Buggakupta <i>Chulalongkorn University, Thailand</i>	Asst. Prof. Dr. Sirithan Jiemsirilers <i>Chulalongkorn University, Thailand</i>
13:30-13:45	ART-O-065 Optimum Composition and Temperature to Produce Ceramic Accessories from Bone Ash Sutham Srilomsak <i>Khon Kaen University, Thailand</i>	IND-O-059 Pozzolanic Material from Waste Calcium Hydroxide and Recycled Glass Chiraporn Auechalitanukul <i>King Mongkut's University of Technology Thonburi, Thailand</i>
13:45-14:00	ART-O-070 Contemporary Ceramic Creation with Jingdezhen Porcelain, an Experience from Artist-in-Residency Program at Shangyu Celadon Modern International Ceramic Center Pim Sudhikam <i>Chulalongkorn University, Thailand</i>	IND-O-073 Development of Light Weight Porcelain using Inorganic Additives Sansanee Boonsalee <i>Department of Science Service, Thailand</i>
14:00-14:30	Closing Ceremony	