

# Conference Program

International Conference on

# ICTA2015

## Traditional and Advanced Ceramics 2015



## September 9 - 11, 2015

EH106, BITEC, Bangkok, Thailand

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## Program Overview

**Wednesday, September 9, 2015**

08:00 – 09:30	Event Hall 106	Conference Registration
09:30 – 10:00	Event Hall 106, Meeting Room	Opening Ceremony
10:00 – 10:30	Event Hall 106	Refreshment
10:30 – 12:00	Event Hall 106, Meeting Room	<b>PL:</b> Plenary Lecture 1 & 2
12:00 – 13:30	Event Hall 106	Lunch & Exhibition
13:30 – 17:10	Event Hall 106, Meeting Room 1	<b>AI &amp; AO:</b> Advanced Ceramics Session 1 & 2
13:30 – 17:20	Event Hall 106, Meeting Room 2	<b>CI &amp; CO:</b> Ceramic for Industrial Technology Session 1&2
14:55 – 15:30	Event Hall 106	Refreshment
17:30 – 18:00	Event Hall 106, Meeting Room 1	Poster Sessions <b>AP:</b> Advanced Ceramics <b>CP:</b> Ceramic for Industrial Technology <b>GP:</b> Glaze and Glass Technology
18:00 – 20:00	Grand ballroom 202, 2 <sup>nd</sup> floor	Banquet

**Thursday, September 10, 2015**

09:30 – 10:00	Event Hall 106	Conference Registration & Refreshment
10:00 – 11:20	Event Hall 106, Meeting Room 1	<b>AI &amp; AO:</b> Advanced Ceramics Session 3
10:00 – 11:20	Event Hall 106, Meeting Room 2	<b>CI &amp; CO:</b> Ceramic for Industrial Technology Session 3
11:20 – 13:00	Event Hall 106	Lunch & Exhibition
13:00 – 14:35	Event Hall 106, Meeting Room 1	<b>AI &amp; AO:</b> Advanced Ceramics Session 4
13:00 – 14:35	Event Hall 106, Meeting Room 2	<b>CI &amp; CO:</b> Ceramic Industrial Technology Session 4
15:00 – 15:45	Event Hall 106, Meeting Room 2	<b>GO:</b> Glaze and Glass Technology Session
14:35 – 15:00	Event Hall 106	Refreshment
15:45 – 16:00	Event Hall 106, Meeting Room 1	Closing Ceremony



# Technical Program

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Time	Event Hall 106		
08:00 - 09:30	Registration in front of Meeting Room		
Time	Event Hall 106		
09:30 - 10:00	Opening Ceremony		
10:00 - 10:30	Refreshment		
Time	Meeting Room, Event Hall 106		
10:30 - 11:15	<b>PL-01: Importance of Pyroplastic Deformation Control Towards Obtaining Thin-walled Ceramic Sanitaryware Products</b> Prof. Dr. Alpagut Kara, Anadolu U., Turkey		
11:15 - 12:00	<b>PL-02: Geopolymers in Australia with a Focus on Development of Fire Resistant Products</b> Prof. Dr. Arie van Riessen, Curtin U., Australia		
12:00 - 13:30	Lunch & Exhibition		
Time	Meeting Room 1	Time	Meeting Room 2
<b>Session: Advanced Ceramics 1</b>		<b>Session: Ceramic for Industrial Technology 1</b>	
<i>Session Chair: Dr. Natthaphon Raengthon, CU &amp; Dr. Sorachon Yoriya, MTEC</i>		<i>Session Chair: Dr. Lada Punsukumtana, DSS &amp; Dr. Charusporn Mongkolkachit, MTEC</i>	
13:30 - 13:55	<b>AI-01: Thermoelectric Ceramics with Ordered Mesoporous Structure</b> Prof. Dr. Hyung-Ho Park, Yonsei U., South Korea	13:30 - 13:55	<b>CI-01: Spray-powder Flowability Produced with EIRICH Eco-Prep® Technology</b> Mr. Ralf Loebe, Maschinenfabrik GUSTAV EIRICH GmbH & Co KG, Germany
13:55 - 14:10	<b>AO-01: Graphene for Electroconductive Yttria-stabilised Zirconia (YSZ) Ceramics</b> Kalaimani Markandan U. of Nottingham, Malaysia	13:55 - 14:10	<b>CO-01: Feasibility Study of Porcelain Production by a Direct Sintering Technique</b> Wirat Lerdprom, Imperial College, UK.
14:10 - 14:25	<b>AO-02: Synthesis of Highly Flexible and Super Hydrophobic Silica Aerogel</b> HeeYoon Chung, Yonsei U., South Korea	14:10 - 14:25	<b>CO-02: Clay Minerals of Traditional Ceramics in Watershed Areas</b> Sarunya Promkotra, Khon Kaen University, Thailand
14:25-14:40	<b>AO-04: Multi-Layered Titanium Dioxide Films and their Combination Effect with Solar Water Heating on Disinfection of <i>Escherichia coli</i></b> Wreerat Laithong, KMUTT, Thailand	14:25-14:40	<b>CO-03: Mechanical Behavior of Fired Clay Brick from Stream Sediments under Uniaxial Compressive Loading</b> Kritika Trakoolngam Khon Kaen University, Thailand
14:40 - 14:55	<b>AO-05: Tin Oxide Aerogels Synthesized using Non-alkoxide Precursor by Ambient Pressure Drying</b> Yoon Kwang Lee, Yonsei U., South Korea	14:40 - 14:55	<b>CO-04: Property and Characterization of Raw Materials in Lampang to Assess the Suitability for Ceramics Industry</b> Parinya Somrang, MTEC, Thailand
14:55 - 15:30	Refreshment	14:55 - 15:30	Refreshment
<b>Session: Advanced Ceramics 2</b>		<b>Session: Ceramic for Industrial Technology 2</b>	
<i>Session Chair: Dr. Pitak Laoratanakul, MTEC</i>		<i>Session Chair: Asst. Prof. Dr. Wantanee Buggakupta, CU</i>	
15:30 - 15:55	<b>AI-02: The Fabrication and Dielectric Constant of (1-3) Piezoceramic Polymer Composites</b> Assoc. Prof. Dr. Jerapong Tontrakoon, Chiang Mai University, Thailand	15:30 - 15:55	<b>CI-02: Crystalline Glazes: Crossing Boundaries</b> Asst. Prof. Dr. Niti Yongvanich, Silpakorn University, Thailand



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15:55 - 16:10	<b>AO-06: Effect of Modified CCTO Dispersion on the Dielectric and Mechanical Properties of PVDF</b> Anshuman Srivastava Indian Institute of Technology, India	15:55 - 16:20	<b>CI-03: Review and a Research on Green NIR Reflective Pigment</b> Asst. Prof. Dr. Pattana Rakkwamsuk, KMUTT, Thailand
16:10 - 16:25	<b>AO-07: Synthesis and Investigation of MoO<sub>3</sub> Microfilms and Nanorods by Thermal Chemical Vapor Deposition</b> Pitchanunt Chaiyo Ubon Ratchathani University, Thailand	16:20 - 16:35	<b>CO-05: Conversion of Aluminum Dross Residue into Value-added Products</b> Pat Sooksaen Silpakorn University, Thailand
16:25 - 16:40	<b>AO-08: Preparation of Mesoporous La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> Films for High Temperature Electrode Applications using Evaporation-induced Self-assembly Process</b> Chang-Sun Park, Yonsei U., South Korea	16:35 - 16:50	<b>CO-06: Turning EAF Dust Waste into Oil Spot Ceramic Glaze</b> Wantanee Buggakupta Chulalongkorn University, Thailand
16:40 - 16:55	<b>AO-09: Charge Concentration Effect of F-doped Zinc Oxide on the Interface Potential Barrier with PbZr<sub>0.52</sub>Ti<sub>0.48</sub>O<sub>3</sub></b> Pilgyu Byeon, Yonsei U., South Korea	16:50 - 17:05	<b>CO-07: Effect of Frit Content on the Metal Marking and Scratching Resistance of Celadon Glaze</b> Jae-Hwan Pee KICET, South Korea
16:55 - 17:10	<b>AO-10: A Study on the Polarization Effect of Ba<sub>x</sub>Sr<sub>1-x</sub>TiO<sub>3</sub> (0 ≤ x ≤ 1) on the Tunnel Electroresistance of Ferroelectric Tunnel Junction</b> Tae-Won Lee, Yonsei U., South Korea	17:05 - 17:20	<b>CO-08: Development of Decorative Ceramic Glaze from Palm Fiber Ash</b> Mohd Al Amin Muhamad Nor University Malaysia Terengganu, Malaysia
17:30 - 18:00	<b>Poster Presentations</b> (Meeting Room 1)		
18:00 - 20:00	<b>Banquet</b> (Grand ballroom 202, 2nd floor)		

September 10, 2015

Time	Event Hall 106		
09:30 - 10:00	Registration & Refreshment		
Time	Meeting Room 1	Time	Meeting Room 2
<b>Session: Advanced Ceramics 3</b>		<b>Session: Ceramic for Industrial Technology 3</b>	
<i>Session Chair: Asst. Prof. Dr. Pornapa Sujaridworakun, CU.</i>		<i>Session Chair: Asst. Prof. Dr. Nutthita Chuankrerkkul, MMRI &amp; Asst. Prof. Dr. Karn Serivalsatit, CU</i>	
10:00 - 10:25	<b>AI-03: Morphology Control of Metal Oxide Particles for Multifunctional Cosmetic Application</b> Prof. Dr. Tsugio Sato, Tohoku U., Japan	10:00 - 10:25	<b>CI-04: Synthesis and Microstructure Observation of Molten Metal Corrosion Resistant Yttria Based Refractory</b> Assoc. Prof. Dr. Tadachika Nakayama, Nagaoka U. of Technology, Japan
10:25 - 10:50	<b>AI-04: Photocatalysis as a New Environmental Application of Fine Ceramics: Performance and Evaluation</b> Dr. Koji Takeuchi, AIST, Japan	10:25 - 10:50	<b>CI-05: Fabrication and Characterization of Thermal Barrier Coatings of Yttrium Stabilized Zirconia by Suspension Plasma Spray and EBPVD Method</b> Dr. Hyung-Tae Kim, KICET, Korea
10:50 - 11:05	<b>AO-11: Optical and Electrical Characteristics of ZnO Films Prepared by the Solution Reaction Method</b> Saki Fukui, Tohoku U., Japan	10:50 - 11:05	<b>CO-09: Effect of Spark Plasma Sintering Conditions on the In-situ Synthesis of Polycrystalline CeB<sub>6</sub> Ceramics</b> Erhan Ayas, Anadolu U., Turkey





11:05 - 11:20	<b>AO-12: Preparation of Porous Hollow Cylindrical Composite Containing Activated Carbon and Zeolite for TiO<sub>2</sub> Coating</b> Nithiwach Nawaukkaratharnant Chulalongkorn U., Thailand	11:05 - 11:20	<b>CO-10: Novel Soft Chemical Synthesis Methods of Ceramic Materials</b> Kenji Toda, Niigata U., Japan
11:20 - 13:00	<b>Lunch &amp; Exhibition</b>		
<b>Session: Advanced Ceramics 4</b>		<b>Session: Ceramic for Industrial Technology 4</b>	
<i>Session Chair: Asst. Prof. Dr. Thanakorn Wasanapiarnpong, CU</i>		<i>Session Chair: Asst. Prof. Dr. Sirithan Jiemsirilers, CU</i>	
13:00 - 13:25	<b>AI-05: Synthesis of Nitride Photocatalyst Materials by Ammonothermal Method</b> Prof. Dr. Tomoaki Watanabe Meiji University, Japan	13:00 - 13:25	<b>CI-06: Mechanical Properties of SMFMZS (SrO-Mn<sub>2</sub>O<sub>3</sub>-Fe<sub>2</sub>O<sub>3</sub>-MgO-ZrO<sub>2</sub>-SiO<sub>2</sub>) System Glass Fibre Reinforced Concrete (GFRC) Materials</b> Prof. Dr. Bekir Karasu, Anadolu University, Turkey
13:25 - 13:50	<b>AI-06: Status and Standards in ISO/TC206 'Fine ceramics'</b> Dr. Shuji Sakaguchi, AIST, Japan	13:25 - 13:50	<b>CI-07: Environmental Friendly Ceramic Building Materials</b> Dr. Toyohiko Sugiyama, AIST, Japan
13.50-14.05	<b>AO-13: Hydrothermally Grown ZnO Nanorods for Ammonia Gas Sensor Applications: Effect of Surface Defects</b> Suranan Anantachaisilp Mahidol University, Thailand	13.50-14.05	<b>CO-11: Effect of Porosity and Pore Size on Microstructures and Mechanical Properties of Metakaolin Blended with Ca(OH)<sub>2</sub> and PLA as Porous Geopolymers</b> Chayanee Tippayasam Kasetsart University, Thailand
14.05-14.20	<b>AO-14: Transesterification of Soybean Oil using Bovine Bone Waste as New Catalyst</b> Suwilai Chaveanghong Mahidol University, Thailand	14.05-14.20	<b>CO-12: Properties of Geopolymer Paste from Fly Ash Blended with Metakaolin as Pervious Geopolymer Concrete</b> Phachongkit Boonanunwong Kasetsart University, Thailand
14.20 - 14.35	<b>AO-15: Novel Hydroxyapatite Bioceramic Composite with Enhanced Osteoblast Cell Supporting Ability</b> Jitlada Sansatsadeekul, National Metal and Materials Technology Center	14.20 - 14.35	<b>CO-13: The Mechanical Compressive Strength Property of Biomass Wood Ash-fly Ash Hybrid Geopolymer Mortar</b> Omar A. Abdulkareem Universiti Sains Malaysia, Malaysia
14:35 - 15:00	<b>Refreshment</b>		
		<b>Session: Glaze and Glass Technology</b>	
		<i>Session Chair: Asst. Prof. Dr. Duangrudee Chaysuwan, KU. &amp; Dr. Apirat Theerapapvisetpong, CU.</i>	
		15:00 - 15:15	<b>GO-01: Study of Melting Ability of Granulated Glass Batch</b> Kanit Tapasa, DSS, Thailand
		15:15 - 15:30	<b>GO-02: Modification of the Composition of Low-Temperature-Sintering Alumina Crucibles for Glass Melting</b> Parida Jampeeruang, DSS, Thailand
		15:30 - 15:45	<b>GO-03: The Effect of SiO<sub>2</sub> and B<sub>2</sub>O<sub>3</sub> on the Glass-Ceramics Glaze Properties</b> Lada Punsukumtana, DSS, Thailand
15:45 - 16:00	<b>Closing Ceremony</b>		



## Poster Presentations

<i>Session: Advanced Ceramics</i>	
AP-01	<b>Hydroxyapatite-Bioglass Composites: Microstructural Study and Bioactivity Test</b> Pat Sooksaen, Silpakorn University, Thailand
AP-02	<b>Effect of Substitution of <math>Zn^{2+}</math> and <math>Zr^{4+}</math> on Structural and Magnetic Properties of <math>BaFe_{12}O_{19}</math></b> Rewadee Wongmaneerung, Maejo University, Thailand
AP-03	<b>Morphological Controlled Synthesis of Zinc Oxide for the Application to Sunscreen Cosmetics</b> Mizuki Yoshida, Tohoku University, Japan
AP-04	<b>Solvothermal Synthesis of Nb Doped <math>TiO_2</math> and NIR Shielding Ability</b> Makoto Hamanaka, Tohoku University, Japan
AP-05	<b>Effect of Sintering Temperature on Microstructure and Properties of Porous Anode-supported for Solid Oxide Fuel Cells Fabricated by Ceramic Injection Moulding</b> Nutthita Chuankrerkkul, Chulalongkorn University, Thailand
AP-06	<b>The Effect of Glass/PVA Composite Composition on the Adhesion and Strength of a 96% Alumina Joint</b> Kritkaew Somton, National Metal and Materials Technology Center, Thailand
AP-07	<b>Effect of Alumina (<math>Al_2O_3</math>) on the Characteristics of Mullite Ceramics Synthesized with Kaolin from Narathiwat of Thailand</b> Santi Pongphot, Chiang Mai University, Thailand
AP-08	<b>Phase-Selective Hydrothermal Preparation and Upconversion Luminescence of <math>NaYF_4:Yb^{3+},Tm^{3+}</math></b> Thanataon Pornphatdetaudom, Chulalongkorn University, Thailand
AP-09	<b>High Performance Ag/AgBr/<math>TiO_2</math> Photocatalyst-Coated Silica Beads</b> Jate Panichpakdee, Thailand Institute of Scientific and Technological Research (TISTR), Thailand
AP-10	<b>Synthesis and Sintering of Magnesium Aluminate Spinel Nanopowders Prepared by Precipitation Method using Ammonium Hydrogen Carbonate as a Precipitant</b> Adison Saelee, Chulalongkorn University, Thailand
AP-11	<b>Effect of Particle Sizes of <math>BaTiO_3</math> (BT) Seed on Microstructure and Electrical Properties of <math>(Ba_{0.85}Ca_{0.15})(Zr_{0.1}Ti_{0.9})O_3</math></b> Manlika Kamnony, Chiang Mai University, Thailand
AP-12	<b>The Electrical Properties of BCZT Lead-Free Ceramics Induced by <math>BaZrO_3</math> Seeds</b> Manlika Kamnony, Chiang Mai University, Thailand
AP-13	<b>Effects of <math>NaNbO_3</math> Crystals on Characterization of <math>(K_{0.5}Na_{0.5})NbO_3</math> Ceramics</b> Chavalit Suksri, Chiang Mai University, Thailand
AP-14	<b>Phase Structure, Microstructure and Electrical Properties of BCZT Ceramics Prepared by Seed-Induced Method</b> Wasuporn Hirunsit, Chiang Mai University, Thailand
AP-15	<b>Tuning the Band Gap of ZnO Thin Films by Mg Doping</b> Chavalit Suksri, Chiang Mai University, Thailand
AP-16	<b>Antibiotics Impregnated Hydroxyapatite for Localized Bone Tuberculosis Treatment: Influences of Solvent and Loading Techniques on Total Drug Content</b> Waraporn Suvannapruk, National Metal and Materials Technology Center, Thailand
AP-17	<b>Effect of <math>SrTiO_3</math> Nano-crystals on the Electrical Properties of <math>Na_{0.47}K_{0.47}Li_{0.06}NbO_3</math> Ceramics by Seed Induced Method</b> Uraiwan Intatha, Mae Fah Luang University, Thailand
AP-18	<b>Synthesis and Structural Studies of Nanowires Composite Materials from Rice Husk Ash by Metallothermal Processes</b> Ladarat Kanlayavisut, Ubon Ratchathani University, Thailand
AP-19	<b>Effect of Hydroxyapatite Bioceramic Bodies on Subcutaneous Soft Tissue Reaction of Laboratory Rats</b> Rungsarit Koonawoot, Chiang Mai University, Thailand



AP-20	<b>Phenol Removal from Wastewater Contaminated Using Activated Carbon/Zeolite Composite Coated with Titanium Dioxide</b> Khemmakorn Gomonsirisuk, Chulalongkorn University, Thailand
AP-21	<b>The Effect of <math>\beta</math>-SiC Nanowires on the Properties of Mullite Composites</b> Wasana Khongwong, Thailand Institute of Scientific and Technological Research (TISTR), Thailand
AP-22	<b>Influence of Silane Coupling Agent and Nano-Filler on the Properties of Dental Resin Composite Cements</b> Wasana Khongwong, Thailand Institute of Scientific and Technological Research (TISTR), Thailand
AP-23	<b>Effect of TaSi<sub>2</sub> Addition on the Densification and Mechanical Properties of ZrC-20 vol % SiC Composites Prepared by Spark Plasma Sintering</b> Erhan Ayas, Anadolu University, Turkey
AP-24	<b>Effects of Preparation Process and Sintering Temperature on Mechanical Properties of Al<sub>2</sub>O<sub>3</sub>/ZrO<sub>2</sub> Micro-composite</b> Saowaluk Chiangka, Suranaree University of Technology, Thailand
AP-25	<b>Effect of Milling Time on the Properties of BYF Doped PZT Energy Harvesting Ceramics by High Energy Ball Milling</b> Arjin Boonruang, Thailand Institute of Scientific and Technological Research (TISTR), Thailand
AP-26	<b>The Synthesis of Ru/NiO Nanoparticles with Gas-sensing Properties</b> Viruntachar Kruefu, Maejo University, Thailand
AP-27	<b>Comparison of Milling Techniques of 0.98PZT-0.02BYF Piezoelectric Ceramic for Energy Harvester</b> Piyalak Ngerchuklin, Thailand Institute of Scientific and Technological Research (TISTR), Thailand
AP-28	<b>A Facile Method for Preparation of La<sub>0.5</sub>Sr<sub>0.5</sub>MnO<sub>3</sub> Material by Atmospheric-Pressure Plasma Jet</b> Sagung Dewi Kencanam, National Taiwan University of Science and Technology, Taiwan
AP-29	<b>Influence of Time, Temperature and Solution Refreshing on Rapid Biomimetic Coating of Calcium Phosphate Coating on Titanium</b> Faungchat Thammarakcharoen, National Metal and Materials Technology Center, Thailand
AP-30	<b>Size Reduction of Titanium Dioxide to Obtain Nano Particles by the Solution Combustion Technique</b> Rachata Puranasamriddhi, Kasetsart University, Thailand
AP-31	<b>Effect of SnCl<sub>4</sub> Concentration on Transparent and Conducting Undoped Tin Oxide Thin Films</b> S.Tipawan Khlayboonme, King Mongkut's Institute of Technology Ladkrabang, Thailand
AP-32	<b>Effect of Solvents on Photocatalytic Activity of BiVO<sub>4</sub> under Visible-Light Prepared by Precipitation-calcination Process</b> Pornapa Sujaridworakun, Chulalongkorn University, Thailand
<b>Session: Ceramic for Industrial Technology</b>	
CP-01	<b>The Experimental of Low Temperatures Color Slip for Decorative on Earthenware Bodies</b> Soravich Mulinta, Lampang Rajabhat University, Thailand
CP-02	<b>Powder Injection Molding of Mullite: The Study of Binder Dissolution Behavior during Debinding Step using Statistical Methods</b> Parinya Chakartnarodom, Kasetsart University, Thailand
CP-03	<b>Powder Injection Molding of Mullite: The Study of Mechanical and Physical Properties of the Sintered Products using Statistical Methods</b> Parinya Chakartnarodom, Kasetsart University, Thailand
CP-04	<b>Preparation, Characterization and Catalytic Performance of Zn-SBA-15 Catalysts</b> Supranee Lao-Ubol, Thailand Institute of Scientific and Technological Research (TISTR), Thailand
CP-05	<b>Analytical Study of Ancient Pottery from the Archaeological Site of Ban Bo Suak form Nan Province, Thailand</b> Usanee Malee, Chiang Mai University, Thailand



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CP-06	<b>Effect of Borax on Lightweight Material from Cullet and Fly Ash</b> Sutthima Sriprasertsuk, Department of Science Service, Thailand
CP-07	<b>Rate of Reaction and Mechanical Properties on Calcined Kaolin-based Geopolymer</b> Narumon Lertcumfu, Chiang Mai University, Thailand
CP-08	<b>Utilization of Coal Bottom Ash as a Raw Material for Stoneware Ceramics</b> Benya Cherdhirunkorn, Thammasat University, Thailand
CP-09	<b>Utilization of Expanded Perlite as a Source of Silica for Synthesizing Wollastonite by Solid State Reaction</b> Napat Chantaramee, Maejo University, Thailand
CP-10	<b>Synthesis of Lightweight Aggregate from By-product of Paper Industrial for Concrete Application</b> Suteerapun Punlert, National Metal and Materials Technology Center, Thailand
CP-11	<b>Effect of Talc on phase Formation and Mullite Morphology of Different Thailand Clays</b> Nattawut Ariyajinno, Chiang Mai University, Thailand
CP-12	<b>Development of the Common Brick Product to the Properties Fulfilled the Requirements of Thai Community Product Standard</b> Tamonwat Hirunchartanan, Lampang Rajabhat University, Thailand
CP-13	<b>The Fabrication of Refractory Cordierite from Aluminium Buff Mixture</b> Nuntaporn Kongkajun, Thammasat University, Thailand
CP-14	<b>Effect of Sodium Silicate and Used Gypsum Mold Additions on Properties of Lightweight Fired Clay Brick</b> Thanakorn Wasanapiarnpong, Chulalongkorn University, Thailand
CP-15	<b>Preparation of Porous Silicon Carbide Ceramic by In-Situ Carbothermal Reduction Method from Rice Husk Charcoal</b> Chalermkwan Makornpan, Chulalongkorn University, Thailand
CP-16	<b>Effect of Coarse Aggregate Replacement with Working Mold from Ceramic Industry in Lightweight Aggregate Concrete</b> Prongpimon Sakultong, King Mongkut's University of Technology Thonburi, Thailand
CP-17	<b>Evaluation of Electrostatic Charge of Inorganic Pigments Coated by Silanes for Laser Beam Printer</b> Jae-Hwan Pee, KICET, South Korea
CP-18	<b>A Recovery Process of High CaO Fly Ash after Wet Condition and their Characterization</b> Sorachon Yoriya, National Metal and Materials Technology Center, Thailand
CP-19	<b>Carbon Structure Synthesized from Coconut Coir and their Properties</b> Angkana Chumphu, National Metal and Materials Technology Center, Thailand
CP-20	<b>Effect of Quartz Addition on the Properties of Clay Body for Trakuan Pottery</b> Chiaawchan Saengthong, Sisaket Rajabhat University, Thailand
CP-21	<b>An Efficient Photocatalyst Materials TiO<sub>2</sub> for Degradation of Organic Pollutants in Wastewater</b> Kamonwan Pinato, Chulalongkorn University, Thailand
CP-22	<b>Red Loess Development as Raw Materials for Clay-Based Ceramics</b> Kritika Trakoolngam, Khon Kaen University, Thailand
CP-23	<b>Porous Geopolymer using Aluminium Dross and Aluminium Powder as Foaming Agents</b> Anut Saikrasoon, Chulalongkorn University, Thailand
<b>Session: Glaze and Glass Technology</b>	
GP-01	<b>Preparation and Characterization of Bioactive Glass/Polycaprolactone Composites for Bone Tissue Engineering</b> Wilaiwan Leenakul, Rajamangala University of Technology Phra Nakorn, Thailand