



# Siam Physics Congress 2018

## Tuesday, 22 May 2018

**A013: Materials Physics (Poster) - Ayutthaya Room (15:00 - 16:00)**

[id] title	presenter	board
[580] Fabrication and Characterization of Graphene-based Heterostructure and Basic Characterization of CVD Graphene	PATWONG, Siripong	
[664] An investigation of structural and elastic properties of soda-lime glasses doped with rare earth oxide	Mr SUEBSING, Natthawut	
[789] Effect of Heat Treatment on Spectroscopic Properties of Tanzanite	Dr THONGNOPKUN, Pimthong Ms CHANWANITSAKUN, Phet-Anong	
[737] Synthesis of Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> ceramics via hybrid method	Ms SRIVICHAI, Nanthicha	
[736] Properties of SrTiO <sub>3</sub> ceramics synthesis by Hybrid method	Ms KUNSUWAN, Pirunrat	
[697] NO <sub>2</sub> -BDC as sensitizer and photoluminescence properties of [(La)(NO <sub>2</sub> -BDC) <sub>3</sub> (H <sub>2</sub> O) <sub>4</sub> ] and [(La <sub>x</sub> Ln <sub>y</sub> )(NO <sub>2</sub> -BDC) <sub>3</sub> (H <sub>2</sub> O) <sub>4</sub> ] (Ln = Eu, Tb)	Mr PANYARAT, Kitt	
[567] Microstructure, Hardness and Corrosion Resistance in Destabilised 28 wt.%Cr-1 wt.%Mo Cast Iron	Dr WIENGMOON, Amporn	
[548] Design and development of magnetic refrigeration prototype for the performance analysis of magnetocaloric materials	Mr KANLUANG, Teetawat	
[484] Mechanical and Physical properties of epoxy resin based hybrid composites reinforced with banana fiber three species	Mr KONGKAEW, Pongsathorn	
[536] Self-assembly of Iron Platinum Based Nanoparticles on Liquid and Solid Substrates	Dr SIRISATHITKUL, Chitnarong	
[546] Microwave Synthesis and characterization of silver phosphate and its visible-light photocatalytic activities	Dr EKTHAMMATHAT, Nuengruethai	
[599] The effect of silane type on mechanical properties and fogging phenomenon of lamp socket rubber	Dr SUNTAKO, Rudeerat	
[623] Miscibility of PS-PI diblock copolymer by Molecular Dynamic and Mesoscopic Simulations	Mr CHIANGRAENG, Natthiti	
[657] Study of morphology and optical properties of cellulose and carbon nanotube composites	Ms KANGKAN, Sineenart THANGCHAIMONGKOL, Montip	
[705] Pearlitic ductile iron-like sintered Fe-Cr-Mo-Si-C alloys	Mr RUANGCHAI, Kittikhun	
[743] Annealing Effects on Morphology and Microstructure of IrMn Thin Films	SAWAENGSAI, Kanogkwan	
[739] Effect of Sulfuric Acid Treatment for ZnO Photoelectrode on Photovoltaic Properties of Dye-sensitized Solar Cell	Dr WONGRERKDEE, Sutthipoj	
[784] Improved phase transformation and dielectric constant of P(VDF-HFP) fiber by doping with AlCl <sub>3</sub> .6H <sub>2</sub> O filler	Dr SUKWISUTE, Pisan	
[782] Textile Gas Sensor based PANi/PEDOT:PSS Coated on Cotton Yarn for Ammonia Detection	Ms PATTANARAT, Kuntima	

<b>[793] High quality nano-silica aerogels prepared by a facile method from bagasse ash under ambient pressure drying</b>	Ms TEANNAVA, Paphapin Dr YUENYAO, Chalad	
<b>[791] Effect of Fiber Structure on Gas Sensing Properties of Polyaniline Coated on Single Yarn</b>	INDARIT, Naraporn	
<b>[810] Simulation of Magnet Design for Magnetic Refrigeration</b>	Ms NIAMJAN, Nuanjuta	
<b>[670] A numerical model of multi-layered regenerator for a prototyped magnetic refrigerator</b>	Mr TULYAPRAWAT, Jirat	
<b>[626] Optical Properties of CsI:Tl Crystals Grown Using Different Precursors Purities</b>	Mr SINTHAM, Poramin	
<b>[535] Synthesis and characterization of Graphene Nanoribbons Prepared by one-step electrolytic exfoliation</b>	Dr WISITSORAAT, Anurat	
<b>[532] Comparative Investigation on Physical and Mechanical Properties of Water hyacinth and Cattail fiber Reinforced epoxy Hybrid Composites</b>	Mr KONGKAEW, Pongsathorn	
<b>[487] Acetylene Sensor Based on p-type Na-doped <math>\text{WO}_3</math> Nanorods</b>	KOTCHASAK, Nattaporn	
<b>[483] Effect of Banana fibers species : Banana (Musa (ABB), Musa balbisiana Colla, and Musa (AAA)) on Physical and Mechanical Properties of Epoxy Resin composites</b>	Ms NAMSAK , Sawanya	
<b>[437] SYNTHESIS AND CHARACTERIZATION OF METHYL AMMONIUM LEAD IODIDE BROMIDE PEROVSKITES</b>	Ms RITTISUT, Wipakorn	
<b>[813] Simulation of Interaction of Flywheel Rings with Superconducting Bearing for Flywheel Energy Storage Systems</b>	Ms SAMOH, Asma	
<b>[771] Mechanical Properties of Astaloy 85Mo and Astaloy CrM containing Maganese</b>	Dr KOETNIYOM, Wantana	
<b>[753] Fabrication of Electrode Supercapacitors with Carbon Powders Material Synthesized from Different Wood</b>	PHUMUEN, Phatcharin Mr PHOSOPA, Narongsak	
<b>[733] Effect of Potassium Hydroxide (KOH) Activation to Porous Carbon Electrode Synthesized from Bamboo Shoots as the of Supercapacitor Electrode</b>	PONKEN, Tanachai PHUMUEN, Phatcharin Mr PHOSOPA, Narongsak	
<b>[708] Characteristics of mesoporous silica nanoparticles synthesized by a simple method</b>	NOIPANYA, Thanapog Dr YUENYAO, Chalad	
<b>[694] Effects of Yttrium Doping on Acetone Sensing Properties of Flame-spray-made <math>\text{SnO}_2</math> Nanoparticles</b>	HOMNAN, Saowalak	
<b>[677] Electrical properties and microstructure of phase combination in <math>\text{BaTiO}_3</math>-based Ceramics</b>	Mr FUNSUEB, Narit	
<b>[638] Effects of Substrate Temperatures during Spray Processing on Colored Perovskite Properties</b>	Mr AMRATISHA, Koth	
<b>[607] Property of BCT-NBT ceramics preparation by mixed oxide method</b>	Dr WARANGKANAGOOL, Chompoonuch	
<b>[585] Glucose Sensing Characterization of Non-Enzymetic Nickel plate and Nickel Foam Electrodes in Sodium Hydroxide Solutions</b>	Mr TEKACHARIN, Parit	