

Session Program

May 21 - 23, 2018

Siam Physics Congress 2018

A013: Materials Physics (Poster)

Topland | Hotel & Convention Center Phitsanulok
<http://www.toplandhotel.com/index.php> Phitsanulok, Thailand

Tue, May 22

3:00 PM

A013: Materials Physics (Poster)

Poster Session | Location: Ayutthaya Room

Fabrication and Characterization of Graphene-based Heterostructure and Basic Characterization of CVD Graphene

Speaker

Siripong Patwong

NO₂-BDC as sensitizer and photoluminescence properties of [(La)(NO₂-BDC)₃(H₂O)₄] and [(La_xLn_y)(NO₂-BDC)₃(H₂O)₄] (Ln = Eu, Tb)

Speaker

Mr Kitt Panyarat

Properties of SrTiO₃ ceramics synthesis by Hybrid method

Speaker

Ms Pirunrat Kunsuwan

Synthesis of Ba_{0.7}Sr_{0.3}TiO₃ ceramics via hybrid method

Speaker

Ms Nanthicha Srivichai

Effect of Heat Treatment on Spectroscopic Properties of Tanzanite

Speakers

Dr Pimthong Thongnopkun, Ms Phet-Anong Chanwanitsakun

An investigation of structural and elastic properties of soda-lime glasses doped with rare earth oxide

Speaker

Mr Natthawut Suebsing

Microstructure, Hardness and Corrosion Resistance in Destabilised 28 wt.%Cr-1 wt.%Mo Cast Iron

Speaker

Dr Amporn Wiengmoon

Design and development of magnetic refrigeration prototype for the performance analysis of magnetocaloric materials

Speaker

Mr Teetawat Kanluang

Mechanical Properties of Astaloy 85Mo and Astaloy CrM containing Manganese

Speaker

Dr Wantana Koetnuyom

Fabrication of Electrode Supercapacitors with Carbon Powders Material Synthesized from Different Wood

Speakers

Phatcharin Phumuen, Mr Narongsak phosopa

Annealing Effects on Morphology and Microstructure of IrMn Thin Films**Speaker**

Kanogkwan Sawaengsai

Effect of Sulfuric Acid Treatment for ZnO Photoelectrode on Photovoltaic Properties of Dye-sensitized Solar Cell**Speaker**

Dr Sutthipoj Wongrerkdee

Effect of Potassium Hydroxide (KOH) Activation to Porous Carbon Electrode Synthesized from Bamboo Shoots as the of Supercapacitor Electrode**Speakers**

Tanachai Ponken, Phatcharin Phumuen, Mr Narongsak phosopa

Characteristics of mesoporous silica nanoparticles synthesized by a simple method**Speakers**

Thanapog Noipanya, Dr Chalad Yuenyao

Pearlitic ductile iron-like sintered Fe-Cr-Mo-Si-C alloys**Speaker**

Mr Kittikhun Ruangchai

Effects of Yttrium Doping on Acetone Sensing Properties of Flame-spray-made SnO₂ Nanoparticles**Speaker**

Saowalak Homnan

Electrical properties and microstructure of phase combination in BaTiO₃-based Ceramics**Speaker**

Mr Narit Funsueb

A numerical model of multi-layered regenerator for a prototyped magnetic refrigerator**Speaker**

Mr Jirat Tulyaprawat

Study of morphology and optical properties of cellulose and carbon nanotube composites**Speakers**

Ms Sineenart Kangkan, Montip thangchaimongkol

Optical Properties of CsI:TI Crystals Grown Using Different Precursors Purities**Speaker**

Mr Poramin Sintham

Effects of Substrate Temperatures during Spray Processing on Colored Perovskite Properties**Speaker**

Mr Koth Amratisha

Improved phase transformation and dielectric constant of P(VDF-HFP) fiber by doping with $AlCl_3 \cdot 6H_2O$ filler

Speaker

Dr Pisan Sukwisute

Textile Gas Sensor based PANi/PEDOT:PSS Coated on Cotton Yarn for Ammonia Detection

Speaker

Ms Kuntima Pattanarat

Effect of Fiber Structure on Gas Sensing Properties of Polyaniline Coated on Single Yarn

Speaker

Naraporn Indarit

High quality nano-silica aerogels prepared by a facile method from bagasse ash under ambient pressure drying

Speakers

Ms Paphapin Teannava, Dr Chalad Yuenyao

Simulation of Magnet Design for Magnetic Refrigeration

Speaker

Ms Nuanjuta Niamjan

Simulation of Interaction of Flywheel Rings with Superconducting Bearing for Flywheel Energy Storage Systems

Speaker

Ms Asma Samoh

SYNTHESIS AND CHARACTERIZATION OF METHYL AMMONIUM LEAD IODIDE BROMIDE PEROVSKITES

Speaker

Ms Wipakorn Rittisut

Effect of Banana fibers species : Banana (Musa (ABB), Musa balbisiana Colla, and Musa (AAA)) on Physical and Mechanical Properties of Epoxy Resin composites

Speaker

Ms Sawanya Namsak

Mechanical and Physical properties of epoxy resin based hybrid composites reinforced with banana fiber three species

Speaker

Mr Pongsathorn Kongkaew

Acetylene Sensor Based on p-type Na-doped WO_3 Nanorods

Speaker

Nattaporn Kotchasak

Comparative Investigation on Physical and Mechanical Properties of Water hyacinth and Cattail fiber Reinforced epoxy Hybrid Composites

Speaker

Mr Pongsathorn Kongkaew

Synthesis and characterization of Graphene Nanoribbons Prepared by one-step electrolytic exfoliation

Speaker

Dr Anurat Wisitsoraat

Self-assembly of Iron Platinum Based Nanoparticles on Liquid and Solid Substrates

Speaker

Dr Chitnarong Sirisathitkul

Microwave Synthesis and characterization of silver phosphate and its visible-light photocatalytic activities

Speaker

Dr Nuengruethai Ekthammathat

Miscibility of PS-PI diblock copolymer by Molecular Dynamic and Mesoscopic Simulations

Speaker

Mr Natthiti Chiangraeng

Property of BCT-NBT ceramics preparation by mixed oxide method

Speaker

Dr Chompoonuch Warangkanagool

The effect of silane type on mechanical properties and fogging phenomenon of lamp socket rubber

Speaker

Dr Rudeerat Suntako

Glucose Sensing Characterization of Non-Enzymetic Nickel plate and Nickel Foam Electrodes in Sodium Hydroxide Solutions

Speaker

Mr Parit Tekacharin

4:00 PM