

Session Program

20-22 May 2015

Siam Physics Congress 2015

Poster-2

Thursday 21 May

08:00

Poster-2

Poster Session | Location:

Sound absorption of oil palm trunks

Speaker

Ms Asleena SALAEH

Using a Terminal Block as a Protoboard for the Development of Concepts related to Simple Direct Current Circuits

Speaker

Mr Phusit Juntana

Using Simple Experiments incorporated with a Laboratory Group Investigation Model to Develop Conceptual Understanding of Static Electricity

Speakers

Mr Akapong Buachoom, Dr Sura Wuttirom

Simulation and Experimental Study of Vibration Characteristics of Thai Traditional Brass Gong

Speaker

Ms Thitinan Chantramontol

Applying the Michael and Wittmann's Framework to Analysis of the Force and Motion Conceptual Evaluation Test

Speaker

Mr Suriya Chalermchat

Application of Role-playing Game Strategies in Teaching and Learning High School Physics

Speaker

Mr ratapon kamkaen

Surveying Students' Conceptual Knowledge of Fluid Mechanics

Speaker

Mr Mana Chatmontree

Designing an Inquiry-based Learning Approach about Force and Pressure to Enhance Elementary Students' Critical Thinking Skills

Speaker

Ms Pannaporn Duangkam

Using Active Workbooks as a Tool to Develop Concepts and Problem-solving Skills in Work and Energy

Speaker

Mrs Lanjakorn Tongrueng

Comparisons of Students' Responses Relating to Buoyancy Force Between Two Different Teaching Approaches

Speaker

Mr Pawaret Intana

The effectiveness of learning with guided lecture worksheets designed based on students' learning difficulties**Speaker**

Ms Thanida Sujarittham

Developing Analysis Skills about electrical DC circuit by Virtual board on Ohm's law**Speaker**

Mr Panya Wichanphet

Surveying of high-school students' ability in drawing free-body diagrams**Speaker**

Mr Rathaphol Yooyued

Developing concept of a frictional force by using predict-observe-explain (POE) technique**Speaker**

Mr Anek Hongthong

Cambodian Students Understanding of Forces and Motions: A Comparison with US, Australian, Japanese and Thai students**Speaker**

Mr Seng Khun Beang

Developing Scientific Concepts on Magnetic and Electric Field using Simple Experiment and Multimedia Learning**Speaker**

Mr Kreangkrai Tanawesh

Pre-Service Physics Teachers Expectations in Learning Physics**Speaker**

Dr Singha Prasitpong

Developing STS Projectile Motion Unit for Providing Students' perception of the relationship between Science Technology Engineering and Mathematics**Speaker**

Mrs Prapatsorn Seattha

Teaching strategies to facilitate students' use of mathematics when solving physics problems**Speaker**

Mr Putcharapong Prawai

Development of light detector for Michelson Interferometer experiment Instrument**Speaker**

Ms Chanoknan Banglieng

Smartphone in teaching Physics**Speakers**

Ms Pokonwong Suthichon, Pornrat Wattanakasiwich

Thermodynamics of a Rubber Balloon

Speaker

Piimonpun Prasongsri

Surveying Physics Teaching Strategies in Three Leading Schools

Speaker

Dr Umporn Wutchana

To design learning activities for the interference and the diffraction of light by using the learning package cooperate STAD technique : a case of secondary high school.

Speaker

Ms Sumana Aungplachai

The development of scientific of concept on electric current of grade 11 students through Predict - Observe - Explain : Classroom - Based Action Research

Speaker

Mr Songsith Khunsawat

Investigation of Students' Moral Reasoning in Learning Physics Laboratory

Speaker

Pornrat Wattanakasiwich

The Development of Concepts of Grade 11 Students on Resistor Circuit Through Predict-Observe-Explain (POE) Approach

Speaker

Ms Yupaporn Jarearnkhat

Applying Michelson Interferometer for Coherence Length Measurement of Laser Light

Speaker

Mr Pornchai Kopatta

An Effective Hands-On Experiment in Light and Optics for Grade 10 Students

Speaker

Ms Sujitra Khuntee

Automatic Marking System for Basic Physics Laboratory

Speaker

Dr Noparit Jinuntuya

Development of Portable Desk Lab for High School and University Physics

Speaker

Wachira Seesad

The development of scientific concepts on motion in uniform field of grade 10 students through Predict-Observe-Explain (POE) with video demonstration.

Speaker

Mr Thoedsak Nachampa

Using colour light mixer cooperate with CIPPA model to teach primary colour light and their mixed: A case of secondary high school students.

Speaker

Ms Rapeepat SONKRUA

The development of scientific concept on electrostatics of grade 11 student through Predict - Observe - Explain (POE)**Speaker**

Ms Mateeya Martjun

Simple Thick Lens Made of a Bottle Filled with Liquid**Speaker**

Kittipoom Mala

The study scientific concepts about conservation of mechanical energy in before and after learning through Predict-Observe-Explain approach for Grade 10 Students**Speaker**

Mr Paritat Picitmal

Analysis of Students' Task Relating to Boyle's law, Charles's law and Kinetic Energy for Gases.**Speaker**

Mr Pattarawut Chaweewong

The Development Of Scientific Concept of "Momentum And Regarding Collision" For Grade 10th Students Though Leaning Activities Based On The Predict-Observe-Explain (POE) Method**Speaker**

Ms Kanita Srithanee

Classification of arabica by electronic tongue**Speaker**

Mr Aant Phatthara-aneksin

Electronic and dynamical properties of YH_{x} ($2.83 < x \leq 3.00$)**Speaker**

Mr Anuphong Thongted

Health Determinations of Yeast Suspensions for Brewery Industry using Cell Velocity Spectrum**Speaker**

Sakshin Bunthawin

Mathematical Analyze of Breakdown Transmembrane Potentials of Fish Eggs using Hen-egg model**Speaker**

Sakshin Bunthawin

A Second-Quantization Approach to the Analytical Faraday Effect in Graphene**Speaker**

Mr Phusit Nualpijit

Pulse-Electric Fields Inductions for Preliminary Sex Reversal of Blue-Spotted Coral Trout

Speaker

Sakshin Bunthawin

Analysis of Biological Effect inside Human Body Exposed to Extremely Low Frequency due to Overhead Transmission Lines**Speaker**

Mr Apichart Siriwitpreecha

Structural phase transition of binary compounds of TlX (X = N, P, As) under high pressure : An ab initio Study**Speaker**

Kittipong Limchuchua

Sequential Signal Generator for Yeast Separations**Speaker**

Sakshin Bunthawin

Calculation of Average Charge Number on the Single Electron Transistor by Quantum Monte Carlo Method**Speaker**

Mr Tawan Thongsuk

Ga acceptors in SnO_2 revisited: A hybrid functional study**Speaker**

Mr Nirawith Palakawong

Transport of Macromolecules through Glomerular Basement Membrane**Speaker**

Numpong Punyaratabandhu

Electronic band structure of Hydrazine-water doped Single-Walled Carbon Nanotubes as n-Type Semiconductor**Speaker**

Wutthisak Prachamon

High pressure properties of doped ZnO from ab initio calculation**Speaker**

Dr Prayoonsak Pluengphon

Study of Butea superba Root (Red Kwao Krua) Extract on Sex Reversal of Nile Tilapia by using Exponential Decay Pulse-Electric Fields**Speaker**

Sakshin Bunthawin

Development of ^{68}Ga -peptide for Positron Emission Tomography Tracer**Speaker**

Ms Piriya Kaeopookum

Enhancement of oil Palm (*Elaeis guineensis* Jacq.) by Magnetically treated Water**Speaker**

Sasitorn Uaysin

Carbon screen-printed electrode/Graphene-PEDOT:PSS/Prussian blue/PEDOT-AuNPs for electrochemical immunosensor application.

Speaker

Mr Zunpitch Kwanyuen

Electrical sex reversal of Nile tilapia from prototypes toward commercial product**Speaker**

Sakshin Bunthawin

Crystal and electronic structures of $\text{Li}_2\text{Ti}_6\text{O}_{13}$ for lithium-ion batteries**Speaker**

Mr Klichchupong Dabsamut

Effect of water vapour on neutron detection of cosmic rays**Speakers**

Mr Kritpong Kulthamrongsri, Mr Supawit Kittipadakul, Mr Wattanapol Sangpho

Development of weather station for wind direction, wind speed and temperature measurements**Speaker**

Mr Warut Singseeta

Creation of 3D information from 2D images**Speaker**

Apiram TEERANAVAGUM

Search for the Standard Model Higgs boson in ZZ^* to 4μ decay channel with the CMS experiment at $\sqrt{s} = 8$ TeV**Speaker**

Teerapat Payupol

First principles calculations of cation-ordering effects on electronic band structure of ZnSnN_2 and ZnGeN_2 **Speaker**

Dr Atchara Punya

Micron-size Electrodes Fabrication for Capacitively Coupled Contactless Conductivity Detection (C^4D)**Speaker**

Ms Jongrak Sanglao

The Role of Core Hole Effects on Calculated Resonant Inelastic X-Ray Scattering Spectra of Graphene**Speaker**

Nuchalee Schwertfager

Preliminary Investigation of Heat Transfer and Thermal Distribution in Computer Mainboard based on Finite Element Analysis**Speakers**

Mr Ittiwat Meesap, Mr Tossapol Rattanapongwisut

Electronic Tongue as an Alternative Tool for Classifying Oil-Based Products**Speaker**

Mr Vittachai YUWAPHAN

IR spectroscopy of O-related defects in CdSe**Speaker**

Ms Pimpika Pimsorn

Comments on holographic star and the dual QGP**Speaker**

Dr Piyabut Burikham

Stability Diagram of a Serial Quantum Dot System**Speaker**

Mr Angkhan Intanin

The Determination of the Area of Origin in Medium Velocity Blood Spatters: Numerical Methods Approach**Speaker**

Mr Chalermwat PINNOI

High pressure properties of I-III-VI₂ compounds from ab initio calculation**Speaker**

Mrs Sukanya Petchsirivej

A Study of Capacitively Coupled Contactless Conductivity Detection (C⁴D) Electrode Configurations on Signal Detection Sensitivity**Speaker**

Mr Korkuson Masean

11:00