

Wednesday 24 May

15:10

Poster Presentation I

Poster Session

Location: Rayong Marriott Resort & Spa, http://www.marriott.com/hotels/travel/bkkrr-rayong-marriott-resort-and-spa/Rayong, Thailand

Effect of Planar Electrode Shapes on Paramecium Cell Lysis Performance in Microfluidic Systems

Speaker

Ms Chanikan Aroonnithi

Characterization and XPS analysis of Mn-doped calcium copper titanate thin films by a sol-gel method.

Speaker

Mr Pachara Jolutsakul

surface water wave reconstruction using MATLAB

Speakers

Mr Nirut Pussadee, Mr Sitthipong Yapo

Torque Induced on Lipid Microtubules with Optical Tweezers

Speaker

Dr Nattaporn Chattham

Quantum reflection in the linearly downward potential

Speakers

Mr Noppasin Chamnan, Dr Boonlit Krunavakarn

Simple Harmonics Motion experiment based on LabVIEW interface with Arduino

Speakers

Dr Anusorn Tong-on, Parinya Saphet, Dr Meechai Thepnurat

One dimensional two-body collisions experiment based on LabVIEW interface with Arduino

Speakers

Parinya Saphet, Dr Anusorn Tong-on, Dr Meechai Thepnurat

Investigating Student understanding of Simple harmonic motion

Speaker

Pornrat Wattanakasiwich

Single-mirror, off-axis schlieren system's sensitivity determination

Speaker

Mr Kittisak Ketaiam

Study of the efficiency calibrations of HPGe detector for the PGNAA system

Speaker

Mr Wichian Ratanatongchai

Development of Dielectric Barrier Discharge for Reducing Microbial Contamination in Pepper (Piper nigrum) and Sesame (Sesamum indicum Linn.) Powder

Speaker

Jiraporn Promping

Investigation of L-H-L Transitions Criteria and Hysteresis Based on Bifurcation Concept

Speaker

Mr APISIT DANG-IAD

Effecst of Dielectric Barrier Discharge Plasmas Treatment on Egg Shell

Speaker

Dr Nopporn Poolyarat

Development of X-ray fluorescence technique for tin oxide analysis

Speaker

Chalongwut Boonpratum

Gamma Ray Evaluation of Fast Neutron Irradiated on Topaz from Sri Lanka by HPGe Gamma Ray Spectrometry

Speaker

Ms Kanokwan Boonsook

Isotopic Composition of Precipitation at Ongkharak District, Nakhon Nayok Province

Speaker

Mr Chakrit Saengkorakot

Development of Neutron Imaging System for Neutron Tomography at Thai Research Reactor TRR-1/M1

Speaker

Dr Sarinrat Wonglee

Developing dye sensitizied solar cells with natural dyes and polymer electrolytes

Speaker

Wachira Seesad

Dependence of contact angle on deposition time for superhydrophobic carbon nanoparticles films

Speaker

Dr Sumet Sakulsermsuk

Effect of Membrane Tension on Physical Properties of Niosome Bilayers: A Molecular Dynamics Study

Speaker

Ms Saowalak Somjid

Characteristic of sputtered Co75Ag25 film on various under-layer and polyimide substrate

Speaker

Nittaya Sanganan

Hardness Enhancement on Stainless Steel Surface by Coating Graphene Film Using Thermal Chemical Vapor Deposition

Akkawat Ruammaitree

Diamond-like carbon films prepared by RF magnetron sputtering

Speakers

Ms Jidapa Iomon, Ms Ponthip Chaiyabin

Vacuum Vaporization Technique for Latent Fingerprints Development on Thermal Papers using Lawsone Natural Products

Speaker

Mr Noparat Phungyimnoi

Effect of annealing conditions on polycrystalline silicon produced by the inverted aluminum induced crystallization of amorphous silicon films on glass substrates.

Speaker

Ms Kanyarat Kesrisom

Effect of sputtering power on the properties of co-sputtered Zr-Ti-W metal alloy thin films

Speaker

Mr Rattanachai Kowong

Mechanical properties of cement paste containing iron powder

Speaker

Mr Nattapong Chuewongkam

Effect of Copper Oxide Nanoparticles as a barrier for Efficiency Improvement in ZnO Dye-Sensitized Solar Cells

Speaker

Ms Anongnart Sonthila

Adsorption study of gas molecules on ZnO decorated carbon nanotubes

Speaker

Mr Yotsarayuth Seekaew

Stability and Electronic property of Vacancy Defects in Silicon Carbide Nanosheet based on DFTB

Speaker

Ms Onsuda Arayawut

Optimization of Copper Surface as a Substrate for CVD growth of Graphene

Speaker

Taworn Intaro

Improved Efficiency of Polymer Solar Cells by mean of Coating Hole Transporting Layer as Double Layer Deposition

Speaker

Ms Teantong Chonsut

Optical and Structural Properties of Dye Sensitized Composite Semiconductor Photoanode

Speaker

Ms Kamonchanok Wangcharoen

DIY Low Cost Thick Lenses kit Applied Teaching of Parallel light rays passing through lenses in either direction in Physics

Speaker

Dr Meechai Thepnurat

The determination of the energy values and the composition analysis of M-16 rifle black powders

Speaker

Ms Rewattee Satee

The sound education by applying mathematica program.

Speaker

Mr Thanapon Premkamon

Selected Screen for Engaging Students in Projectile Motion

Speaker

Mr Ar-si Dramae

Fabrication and Physical Properties of Titanium Nitride/Hydroxyapatite Composite on Polyether Ether Ketone by RF Magnetron Sputtering Technique

Speaker

Wasin Nupangtha

Application of tapered glass capillary microbeam in MeV-PIXE mapping of longan leaf for elemental concentration distribution analysis

Speakers

Liangdeng Yu, Dr Nirut Pussadee, Mr Sirawut Natyanun

Enhance of hydrophilicity property for gas separation membrane by DC plasma

Speaker

Mrs Soraya Ruangdit

Application of atmospheric-pressure argon plasma jet for bread mold decontamination

Speaker

Dr Panakamon Thonglor

Conceptual Study of Possibility for Droplets to Achieve Superheated in Edge Tokamak Plasmas

Speakers

Dr Nopparit Somboonkittichai, Dr Michael Coppins

Measurement and Analysis of Specific Activities of Radionuclide 40K, 226Raand 232Th in Beach Sand Samples from Talo kapo beach Yaring DistrictinPattani Province using Gamma Ray Spectrometry

Speakers

Ms Yameela Mhudchudchu, Ms Areeya Tamat, Ms Masae Masae, Ms Supeeya Pao-oh

Preparation of aluminum doped zinc oxide thin films on glass substrate by sparking process and their optical and electrical properties

Speaker

Mr Anupong Sukee

Surface study of irradiated sapphires using AFM

Natthapong Monarumit

Influence of Under-layers morpholgy on Structural and Magnetic Properties of Sputtered Co81Pd19 Film.

Speaker

Pairin Ponchaiya

Gas Sensing Response of Nickel Doped Calcium Copper Titanate Thin Films Synthesized by Sol-gel Method

Speaker

Ms Arisara Boontum

Modification of Calcium Copper Titanate Thin Films by Adding Ag Compounds and their H2S Gas Sensing Response

Speaker

Mr Aukrit Natkaeo

Microstructure of CaCu $$_3Ti_4O_{12}$/SrTiO$_3$ and CaCu<math>$_3$Ti$_4$O$_{12}$/BaTiO$_3$ multilayered thin films grown on LaAlO<math>$_3$$ (100) substrates for dielectric tunability

Speaker

Mr Wiwittawin Sukmas

Influence of Thermal Annealing Process on Vanadium Oxide Thin Films for Metal-Insulator Transition Enhancement

Speaker

Mr Sukittaya Jessdaluk

Control the Crystal Growth of Al-doped ZnO Thin Film Prepared by Pulsed Laser Deposition and The Influences on Its Optical and Electrical Properties

Speaker

Mr Narathon Khemasiri

Hydrophobic thiol-ene surfaces fabricated via plasma activation and photo polymerization

Speaker

Peera Champathet

Tuning of Preparational Factors Affecting the Morphological Structure and Gas Separation Property of Asymmetric Polysulfone Membranes

Speaker

Dr Chalad Yuenyao

The effects of Fe-doping concentration in Ba $\{(1-x)\}$ Fe $\{x\}$ TiO $\{3\}$ \$ thin films on their microstructure and magnetic properties

Speaker

Mr Witheetat Amatyakul

Frequency Distribution of Specific Activities and Radiological Hazard Assessment in Surface Beach Sand Samples Collected from Bangsaen beach in Chonburi Province, Thailand

Speaker

Nopparit Changkit

One step hydrothermal synthesis of CNTs-NiS films for counter electrodes in dyesensitized solar cells

Speaker

Dr Wasan Maiaugree

The pre-service teachers understanding about moon phase.

Speaker

Nudchanard Saenpuk

Study Motion of PVC-Cylindrical on Incline Plane using g-Sensor Compare with Motion Simulate

Speaker

Mr Dusit Ngamrungroj

Electrical properties and gas sensing properties of TiO\$_2\$/GO nanocomposites for CO\$_2\$ sensor application

Speaker

Ms Pitchanunt Chaiyo

A Study of Ferrofluid Shape Formation under Influence of Magnetic Field from Various Permanent Magnet Shapes

Speakers

Mr Tananut Sanghong, Mr Tanabodee Kaewwichian

Liquid absorption using 3D carbon nanofiber scaffolding derived from bacterial cellulose

Speaker

Mr Surachat Sombat

Observation of Spin Seebeck Effect in Bulk Strontium Ferrite

Speaker

Mr Champ Suksawat

A novel spectrometer based on the near-field Talbot effect

Speaker

Mr Withun Sutham

Optical tristability Investigation in Two Coupled Ring Resonators

Speaker

Dr Santhad Pithakwongsaporn

Microfluidic System for E.coli Electroporation

Speaker

Jongrak Sanglao

Biocompatibility of TiO2, TiN and TiNO Thin Films Deposited by DC Reactive Magnetron Sputtering

Speaker

Ms jita vachabuskorn

Charge Mobility of Organic Solar Cells using Low Cost Pulsed Laser for photo-CELIV

Mr Sorawit Changsalak

Selective area growth behavior of ZnO nanorod arrays in hydrothermal synthesis

Speaker

Nantarat Srisuai

Design and performance of a laser-based weed control system

Speaker

Mr Sirinun Sirikunkitti

Classical Nuclear Simulations of the $\pi^{+}({^3}He,ppn)\pi^{+}$ Reactions with Quantum Corrections

Speaker

Dr Rachen Ratanarojanakul

Application of Silver Nanoparticles for Natural Rubber Latex

Speaker

Ms Pranlekha Traiwatcharanon

The evaluation of laser cleaning of silica nanowires

Speaker

Chonticha Chunhakit

The investigation of high school student's energy concept by using analogies

Speaker

Mr Khanti Toedtanya

DEVELOPING CONCEPT ON ENERGY CONSERVATION USING SIMPLE EXPERIMENTS FOR GRADE 10 STUDENTS

Speakers

Mr Sakchai Rachniyom, Dr Sura Wuttiprom

Developing students' learning achievement and experimental skills on buoyancy and the involvement of Newton's third law through experimental set

Speakers

Mr Chokchai Jaewijarn, Dr Sura Wuttiprom

Fission Product Behavior in High-Temperature Water: Csl vs MoO\$_4\$

Speaker

Dr Kotchaphan Kanjana

In-house development of neutron moisture gauge for field measurement

Speaker

Ms Parichat Sinkaew

Electrical Properties of Ultra-thin TiO\$_2\$ Compact Layer on FTO for Perovskite Solar cells

Speaker

Ms Ramon Songtanasit

interference of two vortex beams with different topological charge numbers

Ms Suvipak Chumdaeng

Fractal dimension of synthesized sound wave

Speaker

Mr Manorth KANJANAPEN

Construction of 3D Image of Surface Coated with Micro-Scale Transparent Layer by Analyzing Speckle Interferogram with Fast Fourier Transform

Speaker

Mr Parinya Duangklang

Effect of Surfactant Concentration to Aggregations of Nanogold Particles.

Speaker

Ms Methawee Duangthanu

Learning Particle Physics with DIY Play Dough Model

Sneaker

Ms Thittima Thunyaniti

Dead and living yeast cells analyzer using electrical force induction

Speaker

Prof. Sakshin Bunthawin

Cholesterol Effect on Physical Properties of Niosome Bilayers: A Molecular Dynamics Study

Speaker

Mr Likit Temprom

Low Cost and Disposable Lab on a Chip

Speaker

Mr Anan Saenkhamai

Study of tilapia's egg permeabilization with the optimized electrical parameters

Speaker

Prof. Dr.Sakshin Bunthawin

Viability determinations of yeast cells using translational dielectrophoretic speeds

Speaker

Prof. Sakshin Bunthawin

Minimization of the synthetic androgen 17Alpha-methyltestosterone hormone for sex reversal of Nile tilapia eggs using electrical technique

Speaker

 $Prof.\ Dr. Sakshin_Bunthawin$

Verification of electrical inductions of O.niloticus egg with physiological membrane pores

Speaker

Prof. Dr.Sakshin Bunthawin

Simulations of induced transmembrane potentials of tilapia's egg using Hen egg RC-model

Prof. Dr.Sakshin Bunthawin

Effect of Electromagnetic Fields on oil Palm Germination

Speaker

ผศ.ดร. ชดาภัษท สุดศิริ

Study on Inverse Laplace Transform of NMR relaxation signal of Sticky rice.

Speaker

Mr Nattawoot Maleelai

Preparation of strontium- and/or zinc-doped hydroxyapatite nanoparticles and their polycaprolactone composite fibrous scaffolds

Speaker

Mr Teeranat Pantasri

liposomes fabrication using vortex rings generated microfluidic device

Speaker

Mr Sorawit Sanin

Improving of QRS complex detection in ECG signal Using Combination of Fourier Transform and Wavelet method

Speaker

Jutarop Reungyos

Permeation of Beta Cyclodextrin and its Derivatives into the Lipid Membrane

Speakers

Ms Wasinee Khuntawee, Ms Pornkamon Nalakarn

Development of the teaching sound frequency with Sing Sharp mobile phone and pipe pressure for KARAOKE subject

Speaker

Mr thienchai ounsumran

Flipped Classroom Enhances Students' Performance in Physics Learning

Speaker

Mr Prakasit Changsuphan

Performance of ZnO-doped recycled window glass as a thermoluminescence dosimeter

Speaker

Ms Thanaporn Thumsa-ard

The Measurement of Thermal Diffusivity in Conductor and Insulator by Photodeflection Technique

Speaker

Uthed Achathongsuk

Charge Mobility of Organic Solar Cells using Low Cost Pulsed Laser for photo-CELIV

Speaker

Mr Sorawit Changsalak

Effect of MnO\$_2\$ morphology on electrochemical capacitance of supercapacitor electrode

Speaker

Mr Authit Phakkhawan

Study of formaldehyde molecule adsorption on pristine, defect and functionalized carbon nanotubes by self-consistent charge density functional tight-binding method

Speaker

Mr Kriengkri Timsorn

Fabrication of carbon sphere film as a supercapacitor electrode

Speaker

Ms Suklitta Thongkhem

A facile method for Electrospinning of Chitosan/PVA /Siam weeds Nano fibers

Speaker

Mr piriya praneekit

Optical properties of DC sputtered titanium dioxide/gold thin films

Speaker

Mr Manas Sittishoktram

Characterization of Ag doped WO3 synthesized by electrospinning

Speaker

Mr Jananan Kamsri

Yttrium doped TiO\$_2\$ nanotubes prepared by anodization method

Speaker

Ms Watchareeya Chaiyarat

Stretchable strain sensor based on metal nanoparticles-Polydimethylsiloxane nanocomposites

Speaker

Dr Thutiyaporn Thiwawong

SYNTHESIS OF CaCu\$_3\$Ti\$_4\$O\$_1\$\$_2\$ BY MODIFIED SOL-GEL METHOD WITH HYDROTHERMAL

Speaker

Dr Chivalrat Masingboon

First-principles study of H\$_2\$ adsorption on two-dimenstional C\$_2\$N sheet

Speaker

Mr Pongdet Netrattana

A Nonlinear Transfer Matrix Method for Third-Harmonic Generation Modeling in a One-Dimensional Metal-Dielectric Photonic Band-Gap Structure

Speaker

Surawut Wicharn

Stoichiometry and Performance in PCDTBT:Perylene Solar Cells

Speaker

Ms Sathongsang Wannakan

	Stoichiometry and Performance in PCDTBT:Perylene Solar Cells
16:00	Speakers Ms Wannakan Sathongsang, Ms Kanyaporn Thubthong
15:10	Poster Presentation I Poster Session Location: Rayong Marriott Resort & Spa, http://www.marriott.com/hotels/travel/bkkrr-rayong-marriott-resort-and-spa/ Rayong, Thailand
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