



# Siam Physics Congress 2015

## Wednesday, May 20, 2015

### Poster-1 (2:00 PM - 5:30 PM)

[id] title	presenter	board
[51] Influence of Asymmetric Electromagnetic Field Distributions in an RF-gun on Electron Beam Properties	Mr THONGPAKDI, Wuttiiphong	ACC-01
[89] Development of C-shape Dipole Electromagnet as an Electron Energy Spectrometer	Mr SUDLOY, Nuntawuth	ACC-02
[105] Study and Development of Current Transformers for Measuring of Electron Beam Pulse Current	Mr NABOONMEE, Pajongjit	ACC-03
[136] Study of Undulator Radiation from Femtosecond Electron Bunches	Mr CHAISUEB, Natthawut	ACC-04
[159] Study of a 270-degree non-dispersive bending system.	Mr UDOMSANTI, Pattadon	ACC-05
[191] Trajectory Simulation of Ion Beam from Duoplasmatron Ion Source	Ms MEEBUA, Suratsa	ACC-06
[356] An Application of Synchrotron-based X-ray Absorption Spectroscopy Study on Advanced Functional Materials	KIDKHUNTHOD, Pinit	ACC-07
[358] SLRI Beam Test Facility Development Project	KITTIMANAPUN, Kritsada	ACC-08
[359] Pressure distribution of the SPS storage ring	SUNWONG, Prapaiwan	ACC-09
[360] Beam loss monitor system at SPS storage ring	KRAINARA, Siriwan	ACC-10
[214] TNT Photometric Reverberation Mapping campaign of High-z Quasars	Ms PONGSUPA, Grittiya	AST-01
[132] Analysis of Color Magnitude Diagram by Aperture Photometry Tool	HAEWSANTATI, Kamolporn	AST-02
[130] Pulsar navigation using Doppler Effect	WONGPHECAUXSON, Jompoj	AST-03
[123] A Study the Star Formation of Galaxies in a Nearby Galaxies Group	Ms POOJON, Panomporn	AST-04
[197] Study and analysis of the new eclipsing PCEB system: SDSS J074548.63+263123.4	Mr HEMHA, Niwat	AST-05
[176] A Study of the Orbital Period of a Binary System V2790 Ori	Mr CHOOLOK, Sarawut	AST-06
[98] The properties of Traversable Wormholes	Mr KAMMA, Nopadhol	AST-07
[151] Study of pulsation spectrum of primary, rapidly-oscillating mass-accreting component of VV UMa	Ms GUNSRIBIWAT, Khemsinun	AST-08
[238] Pulsar Search with PMPS Monitoring Dataset	Dr JAROENJITTICHAJ, Phrudth	AST-09
[142] Analytical Black Hole Solution in dRGT Massive Gravity	Dr WONGJUN, Pitayuth	AST-10
[272] Decay of Hexaaquo Nickel(I) and Zinc(I) Ions in High Temperature Water	Dr KANJANA, Kotchaphan	ATO-01
[233] Theoretical investigation on the geometrical symmetry and electronic behavior of the three lower members of diamondoids by using first-principles calculations	Mr SHINSUPHAN, Nikorn	ATO-02
[2] Estimation Density and Viscosity of Ethyl-Biodiesel from Saponification Number and Iodine Value	Dr PHANKOSOL, Suriya	ENV-01
[207] A small vertical axis wind turbine	Mr CHANPRATEEP, Singkarn	ENV-02
[231] Groundwater investigations in Patiw, Chumphon	Mr PETRIT, Kraipat	ENV-03

[64] Synthesis and characterization from Zn <sub>1-x</sub> CoxFe <sub>2</sub> O <sub>4</sub> nanostructures prepared by hydrothermal method	Mr WIRIYA, narinthorn	MAG-01
[183] Effects of Substrate Materials on Structural and Magnetic Behaviors of Co-Cu Film Prepared by RF-sputtering	Ms SEEPROMTING, Sirapat	MAG-02
[210] Effect of Gd substitution for La on the structure and magnetic properties of the La <sub>1-x-y</sub> Sr <sub>x</sub> Gd <sub>y</sub> MnO <sub>3</sub> nanoparticle	Ms SAENGPLOT, Saowalak	MAG-03
[321] Effect of post mold cure ramp down temperature on internal package stress for IC plastic packages.	SUKANTHARAT, Anan	MAG-04
[323] Study effects staging time and floor life of epoxy material to reliability performance	JANYOD, Singharach	MAG-05
[327] Correlation factors of wire sweep between wire bond and mold to establish process design rule	SANORIT, Anocha	MAG-06
[26] Radiological Hazard Assessment and Radioactive Contour Maps in Surface Soil Samples Collected from Satun Province, Thailand	Dr KESSARATI KOON, Prasong	NUC-01
[63] Measurement of Specific Activities of Natural Radionuclides ( <sup>40</sup> K, <sup>226</sup> Ra and <sup>232</sup> Th) in Beach Sand Samples from Soisawan Beach of Thepha District in Songkhla Province (Thailand)	Ms DAOH, MURNEE	NUC-02
[74] Measurement of Specific Activity of Natural ( <sup>40</sup> K, <sup>226</sup> Ra and <sup>232</sup> Th) and Anthropogenic ( <sup>137</sup> Cs) Radionuclides in Bottled Drinking Water in Phuket Province (Thailand) Using Gamma Ray Spectrometry Technique	Mr THAWONSUWAN, Auttachai	NUC-03
[79] Determination of Arsenic in Soil, Vegetables and Hair in Khoa Ron Na - Suangchan subdistrict area, Amphoe Ronpibul Using Neutron Activation Analysis Technique	Ms MAIJAN, Pattarawadee	NUC-04
[95] The Use of SMD-473 as a Potential X-ray Accidental Dosimeter through the Thermoluminescence Properties	Mrs LAOPAIBOON, Jintana Mr LAOPAIBOON, Raewat	NUC-05
[196] Postharvest longevity of Longkong fruits by waxing with Chitosan solution and incorporated with gamma irradiation	Ms RUANGDIT, Soraya	NUC-06
[258] Characterization of the New CCD Camera for Neutron Tomography at the Thai Research Reactor-1/Modification 1	Dr WONGLEE, Sarinrat	NUC-07
[307] Development and Dose Evaluation of Natural Topaz for Dosimeter Radiation	Dr HOONNIVATHANA, Ekachai	NUC-08
[328] Neutron Attenuation Performance of Barite Concrete Samples	Mr CHANNUIE, Jatechan	NUC-09
[333] Prediction of fusion power in DEMO reactor under various scenarios using integrated predictive modeling code	Ms PROMPING, Jiraporn	NUC-10
[212] Single Beam Digital Holography using Total Internal Reflection	Dr PLAIPICHIT, Suwan	OPT-01
[213] Developing and demonstrating the investigation of fingerprints on a glass surface by using digital holography technique.	Ms THANYARAT, Thong-on	OPT-02
[298] An application of Optical Coherence Tomography (OCT) to measure sucrose concentrations	Ms OUIGANON, Sirirat	OPT-03
[311] Laser Welding with Inert Gas of Various Jewelry Designs	Dr TACHATRAIPHOP, Sukanya	OPT-04
[204] Phase imaging of cancer cell using compressive sensing apply to digital holography	Ms BOONSRI, Chantira	OPT-05
[62] Numerical investigation of transmission of graphene based one-dimensional photonic band-gap structure	Dr WICHARN, Surawut	PHO-01
[255] Hybrid bulk-heterojunction solar cells based on poly(3-hexylthiophene) and ZnO nanostructures	Dr RUANKHAM, Pipat	PHO-02

[302] Optical phase conjugate from cerium doped barium titanate at wavelength 632.8 nm	Ms SIDAKUM, Knittha	PHO-03
[331] Dye-sensitized solar cell using a natural dye extracted from <i>Artocarpus lacucha</i>	Mr LOWPA, Seksan	PHO-04
[281] Synthesis and Characterization of amorphous carbon film for potential application in cell culture	Ms INTATUE, Watcharaporn	PLA-01
[103] A gridded planar probe as a plasma diagnostic tool in a dc magnetron sputtering	Mr LAOHANA, Peerawat	PLA-02
[97] Increasing of wettability of silk powder using the atmospheric pressure plasma jet treatment	Ms SEEHABURAN, Sakuntala	PLA-03
[11] Development of MeV Carbon-ion PIXE	Mr CHAIWAI, Chaiyon Dr TIPPAWAN, Udomrat Dr LIANGDENG, Yu	PLA-04
[277] Cold atmospheric pressure plasma diagnostics using an UV-absorption spectroscopy	Mr THANA, Yuthana	PLA-05
[278] Characterization of Plasma Conditions for Reactive Pulsed DC Magnetron Sputtering System	Ms WARURIYA, Panadda	PLA-06
[10] Growth of graphene triangles and stripes on Si-face SiC (0001)	Dr RUAMMAITREE, Akkawat	SUR-01
[32] A study of $\beta$ -Cu(In,Ga) <sub>3</sub> Se <sub>5</sub> effects on Cu(In,Ga)Se <sub>2</sub> thin film solar cells	Ms NAMNUAN, Boonyaluk	SUR-02
[34] Influence of thickness reduction for CGS/CIS/CGS absorber layer on solar cell performance	Ms NOIKAEW, Busarin	SUR-03
[35] Incorporation of Cu-Se to Cu-Ga-In precursors for the fabrication of CuIn <sub>1-x</sub> Ga <sub>x</sub> Se <sub>2</sub> thin film solar cells	Ms BUTSRIRUK, Kwanruthai	SUR-04
[75] Characterizations of PZT films prepared by sol-gel spin coating method	Ms PENGPAT, Kamonpan Mr BUTNOI, Pichitchai	SUR-05
[76] Optical property of titanium-doped ZnO thin film prepared using dc magnetron sputtering technique	Ms SRISOY, Lukkana	SUR-06
[85] Investigating spectral response of CuIn <sub>1-x</sub> Ga <sub>x</sub> Se <sub>2</sub> thin film solar cells by quantum efficiency measurements	Mr SUKAIEM, Supathat	SUR-07
[161] Comparison of electrical properties of LaSrCoFe films prepared by suspension and by gel coating method	Mr PROMSUY, Shatchai	SUR-08
[185] Electrical Resistivity of Ti-Ga-P Thin Films Synthesized by Asymmetric Bipolar Pulsed-DC Magnetron Sputtering	Mr PONKEN, Tanachai	SUR-09
[193] Properties of Sputtered ZnO:Al Film on Flexible Substrates	SIRISANGSAWANG, Pichai	SUR-10
[261] Dye-sensitized solar cell based on hydrothermally deposited NiS counter electrode	Mr MAIAUGREE, Wasan	SUR-11
[286] Formation mechanism and mechanical properties of titanium oxynitride (TiO <sub>x</sub> N <sub>y</sub> ) thin films deposited by reactive dc magnetron sputtering	Dr SAKDANUPHAB, Rachsak	SUR-12
[299] Zn(O,S) Thin Films Deposited by Pulse-DC Magnetron Sputtering for an Alternative Cd-Free Buffer Layer	Mr KETSOMBUN, Ekkaphop	SUR-13
[315] Surface modification of polysulfone by plasma technique	Ms PHALAKARN, Maytipa	SUR-14
[325] Superhydrophobic Surface Modification Based on PTFE Coated AAO Template	Mr WONGSANARATHIB, Pichet	SUR-15
[332] Fabrication of 3D-hybrid (TNT/Au) Nanoarrays As Substrate for Surface-Enhanced Raman Scattering Detection	Mr JESSADALUK, Sukittaya	SUR-16