



**Program for Oral Presentations
June 23, 2016**

Room: Duangkamol

Session 1: Sustainability Science

Chairman: Assoc. Prof. Dr. Taweechai Amornsakchai

Time	Code	Title	Speaker
14:05-14:25	O-SS1	PROPER CONCENTRATION OF ZnO NANOPARTICLES ENHANCED BIOMATERIAL SYNTHESIS AND PLANT CELL PROTECTION	Wilailack Chayaprasert
14:25-14:40	Coffee Break		
14:40-15:00	O-SS2	BENEFICIAL EFFECTS OF ZINC OXIDE NANOPARTICLES ON PLANT REGENERATION OF VETIVER GRASS (VETIVERIA ZIZANIODES L. NASH)	Chonnikarn Khunchuay
15:00-15:20	O-SS3	ENHANCING BIOSYNTHESIS OF FLAVONOL PROTECTIVE BIOMATERIALS USING FLS TRANSGENIC	Darin Dangrit
15:20-15:40	O-SS4	SURFACE NANO-FEATURES OF AUSTENITIC STAINLESS STEEL FOR EFFECTIVE GROWTH OF CARBON NANOTUBES	Udomdej Pakdee
15:40-16:00	O-SS5	SYNTHESIS OF ENVIRONMENTALLY FRIENDLY SENSOR FOR THE DETECTION OF IRON (III) IN WATER	Thanaporn Heedjan



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Time	Code	Title	Speaker
16:00-16:20	O-SS6	Ti-MCM-41 SYNTHESIZED FROM RICE HUSK SILICA VIA MICROWAVE RADIATION FOR PHOTOCATALYTIC DECOLORIZATION OF DYE	Samangsri Suwapee
16:20-16:40	O-SS7	IMPROVING THE RESULT OF SEA SURFACE TEMPERATURE ANOMALY FOR AN INTERMEDIATE COUPLED MODEL USING BIAS CORRECTION METHOD	Rati Sawangwattanaphaibun
16:40-17:00	O-SS8	BACK FOCAL PLANE CONFOCAL PTYCHOGRAPHY	Pakapron Pimonsakonwong
17:00-17:20	O-SS9	HIGH SPEED SCANNING V(Z) CONFOCAL SURFACE PLASMONS MICROSCOPE USING DIGITAL MICROMIRROR DEVICE (DMD)	Kodchakorn Ittipornnusun



**Program for Oral Presentations
June 23, 2016**

Room: Kingkamol

Session 2: Sustainability Science

Chairman: Dr. Somchai Tancharakorn

Time	Code	Title	Speaker
14:05-14:25	O-SS10	THE RELATIONSHIP BETWEEN CLOUD OPTICAL DEPTH AND CLOUD TOP ALTITUDE ON THE CLOUD RADIATIVE FORCING MODEL	Ronnachai Nanthochot
14:25-14:40	O-SS11	INTERACTION BETWEEN LIFE AND ENVIRONMENT IN A ZERO-DIMENSIONAL DAISYWORLD MODEL	Thanat Rueangphankun
14:40-15:00	Coffee Break		
15:00-15:20	O-SS12	CLIMATE PREDICTION OF DAILY RAINFALL FORECASTING IN THAILAND USING MCA ANALYSIS	Patchalai Anuchaivong
15:20-15:40	O-SS13	APPLICATIONS OF TRICYCLAZOLE AND BIOSOIL ON MICROBIAL REDUCTION	Rattanaporn Boonthod
15:40-16:00	O-SS14	FORECASTING OF THE WAVE HEIGHT OVER THE GULF OF THAILAND DURING A TROPICAL PODUL STORM USING THE SWAN MODEL	Sittisak Injan
16:00-16:20	O-SS15	THE INFLUENCE OF PHYSICO-CHEMICAL FACTORS ON SOLUBILITY OF TRIBUTYL TIN IN SONGKHLA LAKE	Thiwari Ophithakorn



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Session 2: Sustainability Science

Chairman: Dr. Somchai Tancharakorn

Time	Code	Title	Speaker
16:20-16:40	O-SS16	INFLUENCE OF PROCESS PARAMETERS ON WEDM OF WC-12%Co COMPOSITE	Chaiya Praneetpongung
16:40-17:00	O-SS17	A STUDY ON TEMPERATURE PROPERTY OF DIFFERENT MATERIALRESISTOR	Nattapong Phanthuna
17:00-17:20	O-SS18	NUMERICAL SIMULATION OF MOISTURE AND TEMPERATURE IN STORED GRAINS	Nut Khuttiyamart
17:20-17:40	O-SS19	RIGOROUS COUPLED WAVE ANALYSIS FOR NON-PERIORDIC DISTRIBUTION OF PLASMONIC NANOPARTICLES	Acharawan Panlomso

Program for Oral Presentations
June 23, 2016

Room: Kamolruedi

Session 3: Innovative Technology and Sustainability
Engineering

Chairman: Asst. Prof. Dr. Theerachai Bongkarn

Time	Code	Title	Speaker
13:45-14:05	O-ISE1	AN APPLICATION OF THE ANALYTICAL HIERARCHY PROCESS (AHP) FOR PERFORMANCE MEASUREMENT RUBBER REPLANTING AID FUND COOPERATIVES IN THE SOUTH OF THAILAND	Chalakorn Udomraksasakul
14:05-14:25	O-ISE2	INVENTORY LOT-SIZING PROBLEM WITH SUPPLIER SELECTION UNDER STORAGE SPACE, BUDGET AND LEAD-TIME CONSTRAINTS	Sathaporn Suriyan
14:25-14:40	Coffee Break		
14:40-15:00	O-ISE3	DESIGN AND DEVELOPMENT OF AN AUTOMATED GUIDED VEHICLES BY USING ARDUINO MICROCONTROLLER FOR SMALL AND MEDIUM SCALE INDUSTRIES	Watchara Songserm
15:00-15:20	O-ISE4	DESIGN OF LOW COST SMART FARM SYSTEM BASED ON WIRELESS COMMUNICATION	Watchara Songserm
15:20-15:40	O-ISE5	RADIATING NEAR-FIELD CHARACTERISTIC OF PRINTED DIPOLE ANTENNAS	Parinya Phasook



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Session 3: Innovative Technology and Sustainability
Engineering

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Time	Code	Title	Speaker
15:40-16:00	O-ISE6	EFFECTS OF AERATION RATE AND MSW SIZE ON BIODRYING PROCESS OF MUNICIPAL SOLID WASTES	Wittawat Wulyapash
16:00-16:20	O-ISE7	THE STUDY OF TURBULENT NUTRIENT SOLUTION FLOWS IN DIFFERENCE HYDROPONICS SYSTEM ARRANGMENTS	Anchasa Pramuanjaroenkij
16:20-16:40	O-ISE8	VERTICAL ADJUSTTABLE ELECTRIC WHEELCHAIR	Songwut Mongkonlerdmanee
16:40-17:00	O-ISE9	OIL ADSORPTION IN VACUUM FRYING OF FISH TOFU	Thiwari Ophithakorn
17:00-17:20	O-ISE10	DETECTION OF MACHINES PROSUCTING DEFECTIVE PRODUCTS FOR PREVENTION AND MAINTENANCE PLANNING USING HIDDEN MARKOV MODEL : CASE STUDY FOR SOFT DRINK MANUFACTURING FACTORY	Pitsanu Tongkhaw

**Program for Oral Presentations
June 23, 2016**

Room: Economic Modelling

**Session 4: Innovation/technology, financial markets, and
economic growth**

Chairman: Prof. Dr. Paresh Narayan

Time	Code	Title	Speaker
13:00-13:45	O-IFM1	CAN PRIVATE DOMESTIC INVESTMENT LEAD CHINESE TECHNOLOGICAL DEVELOPMENT: AN INVESTIGATION IN VIEW OF SPILLOVER EFFECTS FROM FDI INFLOWS AND CENTRAL GOVERNMENT'S	Baljeet Singh
13:45-14:05	O-IFM2	INTERBANK FUNDING AS INSURANCE MECHANISM FOR (PERSISTENT) LIQUIDITY SHOCKS	Marcel Bluhm
14:05-14:25	O-IFM3	DOES INFORMATION TECHNOLOGY BOOST BANK'S PROFITABILITY IN DEVELOPING NATIONS? UNRAVELLING THRESHOLD EFFECTS	Partha Gangopadhyay
14:25-14:40	Coffee Break		
14:40-15:00	O-IFM4	TECHNOLOGICAL SHOCKS, BUSINESS CYCLE AND STOCK MARKET PERFORMANCE	K.P. Prabheesh
15:00-15:20	O-IFM5	THE MARKET VALUE OF TECHNOLOGICAL INNOVATION: EVIDENCE FROM EUROPEAN PATENTS	Rekik Sabrine

**Program for Oral Presentations
June 23, 2016**

Room: Economic Modelling

**Session 4: Innovation/technology, financial markets, and
economic growth**

Chairman: Prof. Dr. Paresch Narayan

Time	Code	Title	Speaker
15:20-15:40	O-IFM6	ARE FINANCIAL DEVELOPMENT AND INNOVATION CAUSATIVE FACTORS IN ECONOMIC GROWTH? EVIDENCE FROM A PANEL GRANGER CAUSALITY TEST	Rudra P. Pradhan
15:40-16:00	O-IFM7	WHAT DRIVES INNOVATION IN CASE OF INDIAN MANUFACTURING SECTOR?	K. Seenayah
16:00-16:20	O-IFM8	HAPPY-LIFE-YEARS: ANALYSIS OF ITS INFLUENCING FACTORS	Kwanruetai Boonyasana
16:20-16:40	O-IFM9	THE INFLUENCE OF GROSS DOMESTIC PRODUCT ON HAPPY PLANET INDEX	Kantikar Sittithai
16:40-17:00	O-IFM10	RECYCLED CONCRETE AGGREGATE (RCA) A THAI REVERSE LOGISTICS PERSPECTIVE ON THE SUSTAINABLE SUPPLY CHAIN	Hermann Gruenwald
17:00-17:20	O-IFM11	REVIEW OF FACTORS AFFECTING THE OUTSOURCING DECISION OF BUILDING OPERATION AND MAINTENANCE SERVICES IN COMMERCIAL SECTOR	Kittipong Suweero

**Program for Oral Presentations
June 24, 2016**

Room: Kingkamol

Session 1: Sustainability Science and Textiles and
Clothing Sustainability

Chairman: Assoc. Prof. Dr. Taweechai Amornsakchai

Time	Code	Title	Speaker
9:00-9:20	O-SS20	THEORETICAL INVESTIGATION OF A SURFACE PLASMON RESONANCE BASED ACOUSTIC SENSOR	Chotirat Chanchaio
9:20-9:40	O-SS21	BIOSYNTHESIS OF Ag/RHA-MCM-41 USING RICH HUSK ASH AND HONEY AND ITS ANTIBACTERIAL EFFICIENCY	Wannarat Sangsuwan
9:40-10:00	O-SS22	EFFECT OF ANTIOXIDANT ON PHYSICAL AND CHEMICAL PROPERTY OF PALM OIL BIODIESEL	Boonruen Sunpetch
10:00-10:15	Coffee Break		
10:15-10:35	O-SS23	AN ECO-FRIENDLY APPROACH-OZONE BASED TREATMENT OF WASTEWATER FOR MULTIPLE REUSE	Irfan Ahmed Shaikh
10:35-10:55	O-SS24	APPROACHES FOR ENERGY EFFICIENCY IMPROVEMENT IN PULP AND PAPER INDUSTRY	Sumate Sathitbunanan
10:55-11:15	O-SS25	FORECASTING FOR THAI GARMENT EXPORT INDUSTRY ON ASEAN MARKET	Surachart Buachum
11:15-11:35	O-SS26	THE GREEN HOUSE GAS ABATEMENT COST CURVE FOR THE THAILAND PULP AND PAPER INDUSTRY	Sumate Sathitbunanan



**Program for Oral Presentations
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Room: Kingkamol

Session 1: Sustainability Science and Textiles and
Clothing Sustainability

Chairman: Assoc. Prof. Dr. Taweechai Amornsakchai

Time	Code	Title	Speaker
11:35-11:55	O-SS27	USING COCONUT FLAKES AS REINFORCED FIBER OF NATURAL RUBBER PLATE PRODUCTS	Pakamas Choosit
11:55-13:00		Lunch Break	
13:00-13:20	O-SS28	APPLICATION OF CASSAVA PIT WASTE MIXED WITH CEMENT TO PARTICLE BOARD WALL FOR THERMAL RESISTANCE IN BUILDING	Pakamas Choosit
13:20-13:40	O-SS29	TIME-CODED CONFOCAL MICROSCOPE	Phichet kawilo

**Program for Oral Presentations
June 24, 2016**

Room: Duangkamol

Session 2: Innovative Technology and Sustainability
Engineering

Chairman: Dr. Somchai Tancharakorn

Time	Code	Title	Speaker
9:00-9:20	O-ISE11	ELECTRICAL IMPEDANCE PROPERTIES OF Y_2NiMnO_6 CERAMICS FOR DC BIAS AT ATMOSPHERE	Rukchanok wanasuk
9:20-9:40	O-ISE12	TECHNO-ECONOMY ANALYSIS OF ENERGY EFFICIENCY TECHNOLOGIES FOR THE THAILAND PULP AND PAPER INDUSTRY	Sumate Sathitbunanan
9:40-10:00	O-ISE13	THE GIANT DIELECTRIC CONSTANT OF Y_2NiMnO_6 CERAMICS FOR DC BIAS	Pattaraporn Damkoengsunton
10:00-10:15	Coffee Break		
10:15-10:35	O-ISE14	RELIABILITY ANALYSIS FOR MACHINE WORKING AND CAUSES OF DEFECTIVE MACHINES: A CASE STUDY OF AN AUTOPARTS MANUFACTURING FACTORY	Watcharin Sangma
10:35-10:55	O-ISE15	STUDIES OF DIELECTRIC PERMITTIVITY OF Y_2NiMnO_6 CERAMICS FOR DC BIAS AT VARIOUS TEMPERATURES	Phimonkhae Chobdee
10:55-11:15	O-ISE16	USING PMA ASPHALT TO PRODUCE ROOF PLATES FOR REDUCING BUILDING STRUCTURE WEIGHT	Wiharn Deepaya
11:15-11:35	O-ISE17	RENEWABLE ENERGY AND SMART GRID FOR RURAL AREA IN THAILAND	Pasist Suwanapingkarl

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Time	Code	Title	Speaker
11:35-11:55	O-ISE18	ORGANIC WASTE HOUSEHOLD FOR MICRO-STEAM TURBINE	Pasist Suwanapingkarl
11:55-13:00	Lunch Break		
13:00-13:20	O-ISE19	PARA-RUBBER FLOOR TILES MIXED WITH PLASTIC WASTES FROM THE FACTORIES	Wiharn Deepaya
13:20-13:40	O-ISE20	BIODIESEL SOUND VELOCITY USAGE AT COLD TEMPERATURE	Padipan Tinprabath
13:40-14:00	O-ISE21	HYBRID FUZZY ESTIMATION OF SYSTEM RELIABILITY FOR MULTI-STATE SYSTEM	Wimonmas Bamrungsethaphong



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Engineering

Chairman: Asst. Prof. Dr. Theerachai Bongkarn

Time	Code	Title	Speaker
9:00-9:20	O-ISE22	STOCHASTIC PROCESSES FOR TIME SERIES MODELS WITH AN APPLICATION TO DATA OF CASH AND FUTURE PRICES OF RICE IN THAILAND	Pitsanu Tongkhov
9:20-9:40	O-ISE23	CAUSE ANALYSIS OF DEFECTIVE AND BAD PRODUCTS USING BAYESIAN LOGISTIC REGRESSION MODEL: CASE STUDY OF AUTOPARTS MANUFACTURING FACTORY	Watcharin Sangma
9:40-10:00	O-ISE24	LINEAR MIXED MODELS WITH SPATIAL CORRELATION FOR AN ANALYSIS OF RICE YIELDS IN EACH PROVINCE OF THAILAND	Watcharin Sangma
10:00-10:15	Coffee Break		
10:15-10:35	O-ISE25	GREEN BUILDING FOR COMMERCIAL BUILDING IN THAILAND	Pasist Suwanapingkarl
10:35-10:55	O-ISE26	HARMONIC EFFECTS IN INDUSTRY AND COMMERCIAL BUILDING	Pasist Suwanapingkarl
10:55-11:15	O-ISE27	A TRADITIONAL AND CULTURAL PHOTOBOOK OF PHATTHALUNG PRODUCTION	Akera Ratchavieng
11:15-11:35	O-ISE28	IMPLEMENTATION OF STEM EDUCATION THROUGH COMPUTER PROGRAMMING WITH PI-BOT ROBOTIC AND MINIBLOQ GRAPHICAL PROGRAMME	Preecha Sakarung



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Time	Code	Title	Speaker
11:35-11:55	O-ISE29	TESTER FRICTION OF BALL BEARINGS	Wirote Ritthong
11:55-13:00	Lunch Break		
13:00-13:20	O-ISE30	DEVELOPMENT OF CEMENT BOARDS FROM COCONUT SHELL ASH FOR ENERGY AND ENVIRONMENT CONSERVATION	Pramot Weeranukul
13:20-13:40	O-ISE31	SOLAR ROOFTOP FOR ACADEMY BUILDING	Pasist Suwanapingkarl

Poster Presentation
June 23-24, 2016
Place: 2nd Floor

Session 1: Sustainability Science

Poster ID	Presenter	Abstract Title
P-SS 01	Chanwit Prabpayak	CHARACTERIZATIONS OF CONDUCTORS IN QUARTIC NUMBER FIELDS WITH RAMIFIED PRIME
P-SS 02	Chanwit Prabpayak	SOME HOMOMORPHISM PROPERTIES OF TM-ALGEBRAS
P-SS 03	Chanwit Prabpayak	TOPOLOGICAL PROPERTIES IN D-ALGEBRAS
P-SS 04	Chanwit Prabpayak	DOUBT FUZZY IDEALS OF B-ALGEBRAS
P-SS 05	Chanwit Prabpayak	DERIVATIONS OF PKU-ALGEBRAS
P-SS 06	Paisan Kanthang	THE MECHANICAL PROPERTIES FOR CLASSIFICATION OF RICE VARIETIES
P-SS 07	Paisan Kanthang	THE STUDY AND SCREENING OF BACTERIA FOR SILVER NANOPARTICLE BIOSYNTHESIS
P-SS 08	Paisan Kanthang	THE REAL-TIME MECHANICAL PROPERTIES OF RED BEAN GRAINS
P-SS 09	Paisan Kanthang	IMAGE ENHANCEMENT FOR CHARACTERIZATION OF MIND PROTEIN OSCILLATION IN <i>Escherichia. Coli</i>
P-SS 10	Waleepan Rakitikul	DETERMINATION OF TANNIN IN COFFEE PULP USING EXPERIMENTAL AND THEORITICAL APPROACHES
P-SS 11	Nithiwatthn Choosakul	THE INFLUENCE OF COLOR SHADING NET ON THE GROWING OF LETTUCE
P-SS 12	Sarawut Jaiyen	DETERMINATION OF RADIATION ATTENUATION COEFFICIENTS OF RUBBER CONTAINING BARITE
P-SS 13	Akaping Phunpueok	INTRINSIC LIGHT YIELD AND LOSS PARAMETER OF Y ₂ SiO ₅ :Ce SINGLE CRYSTAL SCINTILLATOR

Poster ID	Presenter	Abstract Title
P-SS 14	Voranuch Thongpool	A SOL-GEL SYNTHESIZED REDUCED GRAPHENE OXIDE-TITANIUM DIOXIDE NANOCOMPOSITES FOR PHOTOCATALYTIC DEGRADATION OF METHYL ORANGE
P-SS 15	Woravith Chansuvarn	DEFLUORIDATION BY USING AUTOCLAVED AERATED CONCRETE
P-SS 16	Woravith Chansuvarn	REMOVAL OF CADMIUM(II) ION FROM AQUEOUS SOLUTION BY USING MODIFIED MANGANESE-OXIDE NATURAL CLAY
P-SS 17	Woravith Chansuvarn	ADSORPTION CAPACITY AND REMOVAL EFFICIENCY OF LEAD(II) IONS FROM AQUEOUS SOLUTION USING RAW MATERIAL OF AN AUROCLAVED AERATED CONCRETE
P-SS 18	Woravith Chansuvarn	NOVEL VISUAL DETECTION OF MERCURY(II) ION BASED ON DEPOSITED GOLD NANOPARTICLES
P-SS 19	Theerapun Saesong	EVALUATION OF TEMPERATURE SIMULATION OVER NORTHERN THAILAND FROM REGIONAL CLIMATE MODEL COUPLED WITH LAND SURFACE MODEL
P-SS 20	Thavika Khambai	CARBON STORAGE IN DRY EVERGREEN FOREST IN NATURAL FOREST OF THE BOTANICAL GARDEN ORGRNIZATION
P-SS 21	Weerachai Sangchay	SnO ₂ -DOPED TiO ₂ NANOSTRUCTURED THIN FILMS WITH ANTIBACTERIAL PROPETIES
P-SS 22	Chutima Paksunchai	STRUCTURE AND MORPHOLOGY OF TITANIUM CHROMIUM NITRIDE FILMS AT THE EARLY STAGE
P-SS 23	Pattarinee Klumdoung	THE DEVELOPMENT OF ELECTROSPINNING APPARATUS TO FABRICATE NANOFIBER FOR FUTURE MATERIAL APPLICATIONS
P-SS 24	Nittakan Praditsrigul	THE DEVELOPMENT OF SANDWICH-SPREAD MIXED WITH NATA BABY CORN
P-SS 25	Sunisa Saiuparad	THE MERIDIONAL PRESSURE GRADIENT PREDICTION BY THE GLOBAL CLIMATE MODEL

Poster ID	Presenter	Abstract Title
P-SS 26	Sunisa Saiuparad	THE DEVELOPMENT OF PREDICTABILITY MEASUREMENT METHOD FOR WINTER MONSOON FORECASTS IN THAILAND
P-SS 27	Chaweewan Boonreung	EFFECTS OF DIRTY PANICLE DISEASE VIRULENT ON GERMINATION AND SEED VIGOR
P-SS 28	Thinnaphat Poonsawat	OXIDATION OF PHENYLBORONIC ACID CATALYZED BY FERROCENATED COMPOUNDS
P-SS 29	Duongruitai Nicomrat	DIVERSIFIED MICROBIAL COMMUNITY DEVELOPED IN DIFFERENT FRUIT JUICE OF WINE FERMENTATION
P-SS 30	Duongruitai Nicomrat	PATHOGENIC INHIBITION ACTIVITY OF LACTIC ACID BACTERIA ISOLATED FROM AEROBIC SUBMERGED FERMENTATION FOR VINEGAR PRODUCTION
P-SS 31	Duongruitai Nicomrat	THE RELATIONSHIPS AMONG MICROORGANISMS IN PADDY SOIL OF RICE VARIETIES AT SANAMCHAIKATE, CHACHOENGSAO
P-SS 32	Duongruitai Nicomrat	VARIABILITY OF RICE BLAST FUNGUS <i>PYRICULARIA ORYZAE</i> BASED ON DNA FINGERPRINTS OF REPETITIVE POT2 SEQUENCES
P-SS 33	Duongruitai Nicomrat	IN VITRO SUSCEPTIBILITY OF SILVER NANOPARTICLES ON THAI ISOLATED FUNGUS <i>PYRICULARIA ORYZAE</i> ISOLATED FROM <i>Oryza sativa L.Leaves</i>
P-SS 34	Duongruitai Nicomrat	EFFECTS OF SILVER NANOPARTICLES ON HETEROTROPHIC BACTERIAL COMMUNITY INHABITING THE ANOXIC PADDY SOIL OF FLOODED RICE MICROCOSMS
P-SS 35	Naphat Albutt	ADSORPTION OF $Pb(NO_3)_2$ SOLUTION FROM MANGOSTEEN CHARCOAL POWDER
P-SS 36	Naphat Albutt	INVESTIGATION OF PERFORMANCE FOR $Pb(II)$ ADSORBENTS FROM MANGOSTEEN CHARCOAL
P-SS 37	Naphat Albutt	PREDICTING THE UV SPECTRUM OF OLIGODEOXYNUCLEOTIDE BY 2D-MATLAB

Poster ID	Presenter	Abstract Title
P-SS 38	Viruntachar Kruefu	PHOTOVOTAIIC PROPERTIES OF A CONJUGATED COPOLYMER BLENDING WITH FLAME-MADE ZnO NANOPARTICLES
P-SS 39	Thitiyada Taewana	SYNTHESIS HYDROXYAPATITE FROM THREE TYPES EGGSHELL BY CO-PRECIPIATION METHOD
P-SS 40	Naruethai Sithi	EFFECT OF Pb AND Bi DOPANTS ON STRUCTURAL AND MORPHOLOGY OF STRONTIUM HEXAFERRITES POWDERS
P-SS 41	Chidchanok Chainej	PHYSICAL AND MECHANICAL PROPERTIES OF CEMENT PASTE WERE USED PARTIALLY WITH FLY ASH AND KAOLIN WASTE
P-SS 42	Jitbanjong Tangpong	NANOEMULSION CONTAINING SANGYOD RICE BRAN OIL AND THANAKHA AQUEOS EXTRACTS: IN VITRO ANTIOXIDANT AND IRRITATION ASSESSMENTS
P-SS 43	Anupong Puntusopon	HYDROTHERMAL/IMPREGRENTATION SYNTHESIS WO ₃ NANORODS-FUNCTIONALIZED WITH CUPPER
P-SS 44	Nuttapol Kittikanjanaruk	COMPARISON OF EXPERIMENTAL AND COMPUTATIONAL STUDY OF RAIL PAD APPLICATION
P-SS 45	Woranuch Deelaman	DEVELOPMENT PLANT POTS FROM CARBON POWDER AND OIL PALM FIBER
P-SS 46	Nisakorn Nuamsrinuan	EFFECT OF FISH SCALES AND MIXING RATIO ON CHEMICAL AND MECHANICAL CHARACTERISTICS OF GELATIN/CHITOSAN FILMS
P-SS 47	Nisakorn Nuamsrinuan	STUDYING THE EFFECT OF ZrO ₂ ADDED ON HYDROXYAPATITE VIA BALL MILLING TECHNIQUE
P-SS 48	Nisakorn Nuamsrinuan	HYDROXYAPATITE SYNTHESIZED FROM WASTE EGGSHELL VIA BALL MILLING
P-SS 49	Nisakorn Nuamsrinuan	CHARACTERISTIC AND DOSE EVALUATION OF COLORLESS TOPAZ BY TL AND ESR SPECTROSCOPY
P-SS 50	Nittaya Jaitanong	FABRICATION AND PROPERTIES OF CEMENT POZZOLAN/ PNZT/PVDF COMPOSITES
P-SS 51	Sayan Phokate	ESTIMATION OF TURBIDITY COEFFICIENT IN THE ATMOSPHERE OF THAILAND

Poster ID	Presenter	Abstract Title
P-SS 52	Kantima Chaochanchaikul	INFLUENCE OF NATURAL OIL POLYOL ON MECHANICAL PROPERTIES OF POLYLACTIC ACID
P-SS 53	Rakchanok Promudom	MICROSTRUCTURE AND MECHANICAL PROPERTIES OF CEMENT/ FLY ASH/ NATURAL RUBBER COMPOSITES
P-SS 54	Panitta Ratwjitwet	IRON OXIDE-CATALYZED HYDROGENATION OF NITROARENES UNDER AMBIENT CONDITIONS
P-SS 55	Naris Barnthip	X-RAY CHARACTERIZATION ON PHASES AND COMPOSED ELEMENTS OF SPENT COFFEE GROUNDS CARBONIZED WITH VARIOUS TEMPERATURES
P-SS 56	Ruamporn Potong	INFLUENCE OF BNBK PARTICLE SIZE ON PROPERTIES OF 0-3 LEAD-FREE BNBK CERAMIC-PORTLAND CEMENT COMPOSITES
P-SS 57	Puripat Kantha	EFFECT OF SINTERING METHOD ON THE MICROSTRUCTURE AND ELECTRICAL PROPERTIES OF LEAD-FREE BCZT CERAMICS
P-SS 58	Puripat Kantha	PHASE TRANSITION AND DIELECTRIC PROPERTIES OF LEAD-FREE Zr-DOPED BCTS CERAMICS
P-SS 59	Tanaththa Rattana	DEPOSITION AND CHARACTERIZATION OF TiC THIN FILMS USING DC MAGNETRON CO-SPUTTERING
P-SS 60	Adisorn Buranawong	THE EFFECT OF BASE PRESSURE ON CRYSTAL STRUCTURE AND MICROSTRUCTURE OF C _r N THIN FILM DEPOSITED BY REACTIVE MAGNETRON SPUTTERING
P-SS 61	Rawiwan Srikamma	FUNCTIONALIZATION OF CARBON MATERIALS AND THEIR NANOCOMPOSITE PROPERTIES
P-SS 62	Piyavadee Charoenwattana	ENHANCE GROWTH AND REGENERATION OF PINEAPPLE THROUGH IN VITRO CULTURES
P-SS 63	Unchalee Tonggumnead	TIME SERIES ANALYSIS AND STATISTICS PROCESS CONTROL FOR ANOMALY DETECTION : APPLICATION TO THE SITUATION OF SMOG IN THE NORTH OF THAILAND

Poster ID	Presenter	Abstract Title
P-SS 64	Varinthorn Boonyaroj	SOLID WASTE MANAGEMENT SERVICES IN PATHIO SUBDISTRICT MUNICIPALITY, CHUMPHON PROVINCE
P-SS 65	Varinthorn Boonyaroj	IN-VESSEL COMPOSTING OF MUNICIPAL SOLID WASTE WITH VARIED PRESS AIR AND ORGANIC FRACTION
P-SS 66	Varinthorn Boonyaroj	EFFECT OF ALKALINE CONCENTRATIONS ON PROPERTIES OF PANICUM REPENS FOR PULP AND PAPER
P-SS 67	Varinthorn Boonyaroj	PHYTOREMEDIATION OF SOIL CONTAMINATED WITH USED LUBRICANT OIL USING SPATHIPHYLLUM SPP.
P-SS 68	Varinthorn Boonyaroj	PRODUCTION OF ESSENTION OIL FROM TOBACCO LEAVES FOR INSECT REPELLENTS
P-SS 69	Varinthorn Boonyaroj	PLYWOOD PRODUCTION FROM COCONUT COIR FIBER AND WATER HYACINTH
P-SS 70	Udomdeja Polyium	FUEL BRIQUETTES FROM SISAL WASTE IN THAILAND
P-SS 71	Chatchawal Sripakdee	THE INVESTIGATION OF WGM EFFECTIVE POTENTIAL FROM MICRO PANDA RING RESONATOR
P-SS 72	Chatchawal Sripakdee	SCHEMATIC QUANTUM SYNCHRONIZATION DEVICE FROM MICRO PANDA RING RESONATOR
P-SS 73	Pakpoom Ratjiranukool	PROJECTION OF EXTREME TEMPERATURE OVER NORTHERN THAILAND BY WRF MODEL
P-SS 74	Sujitra Ratjiranukool	SOUTHWEST MONSOON ONSET CHANGE IN THAILAND USING WRF
P-SS 75	Kanawut Inkaew	CHARACTERIZATION OF RESIDUES INVOLVED IN THE ASH QUENCHING SYSTEM : A MATERIAL RECYCLING PERSPECTIVE

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P-ISE 01	Jirasak Tharajak	INFLUENCE OF LUBRICATING CERAMIC CONTENT ON OXIDATION AND WATER CONTACT ANGLE OF CARBON STEEL
P-ISE 02	Jirasak Tharajak	THE EFFECT OF ALIGNMENT DIRECTION OF IRON FILLER IN THE EPOXY ON FRICTION AND WEAR BEHAVIORS
P-ISE 03	Jirasak Tharajak	INFLUENCE OF FEEDSTOCK FEED RATE ON THE PROPERTIES OF SPPS-DEPOSITED SPINEL FERRITE SPLATS
P-ISE 04	Jirasak Tharajak	ANTIMICROBIAL PROPERTY OF HYDROXYAPATITE DERIVATIVE NANOPARTICLES
P-ISE 05	Jirasak Tharajak	ANTIMICROBIAL PROPERTY OF COLD-SPRAYED TRANSITION METAL-SUBSTITUTED HYDROXYAPATITE/PEEK COATING
P-ISE 06	Jirasak Tharajak	THE INFLUENCE OF BAMBOO CHARCOAL TO WEAR RATE OF EPOXY COATING ON INTERNAL OIL AND GAS PIPELINES
P-ISE 07	Jirasak Tharajak	DEVELOPMENT OF THERMAL SPRAY MAP FOR LIQUID FEEDING THERMAL SPRAY SYSTEM
P-ISE 08	Buppachat Toboonsung	ENERGY BAND GAB OF TiO ₂ -CuO NANOCOMPOSITES BY CO-PRECIPIATION METHOD
P-ISE 09	Buppachat Toboonsung	ELECTRICAL SHEET RESISTANCE AND WETTING WATER PROPERTIES OF TITANIUM DIOXIDE NANOPARTICLE THIN FILMS BY SPARKING PROCESS
P-ISE 10	Nattachote Rugthaicharoencheep	OPTIMAL LOAD DISPATCH WITH DAILY LOAD PATTERNS AND GENERATOR CONSTRAINTS IN POWER SYSTEM
P-ISE 11	Nattachote Rugthaicharoencheep	GROUNDING SYSTEM DESIGN AND ANALYSIS FOR DISTRIBUTION SUBSTATION

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P-ISE 12	Nattachote Rugthaicharoencheep	TECHNICAL AND ECONOMIC ANALYSIS FOR HARMONIC DISTORTION IMPACT AND MITIGATION TECHNIQUE IN POWER NETWORKS
P-ISE 13	Thong Lantharthong	TECHNIQUE OF OPTIMAL CAPACITOR PLACEMENT IN DISTRIBUTION SYSTEM
P-ISE 14	Manat Boonthienthong	OPTIMIZATION TECHNIQUES FOR NETWORK RECONFIGURATION IN DISTRIBUTION SYSTEM WITH DISTRIBUTED GENERATION
P-ISE 15	Aroon Charangsut	DESIGN AND ANALYSIS OF TWO NEIGHBORING SUBSTATION IN POWER DISTRIBUTION SYSTEM
P-ISE 16	Thawachchai Chattamnan	A STUDY OF DESIGN AND DEVELOPMENT OF INJECTION MOLDING MACHINE WITH HYDRALIC SYSTEM APPLIED ON PELLETIZING PLASTIC RECYCLE
P-ISE 17	Paisan Kanthang	THE FLOUR PROCESSING MACHINE FOR <i>Musa Sapientum Linn</i>
P-ISE 18	Nattapong Phanthuna	DESIGN AND APPLICATION FOR A SMART FARM IN THAILAND BASED ON IoT
P-ISE 19	Somchai Dokmai- Ngoen	BIOMETRIC IDENTIFICATION TECHNOLOGY FOR ELECTRIC VEHICLE BASE ON EMBEDDED SYSTEM
P-ISE 20	Nuchjira Dejang	FABRICATION NiAl/Cu FEEDSTOCK POWDERS FOR THERMAL SPRAY COATING
P-ISE 21	Wiwat Jaruektham	THE STATUS AND PROSPECTS OF INDUSTRIAL WASTE RECYCLING BUSINESS CONSULTANT IN BANGPOO INDUSTRIAL ESTATE AREA
P-ISE 22	Surapol Saengvirun	THE STUDY FLUX CORED ARC WELDING FOR WELDING (SA.516 Gr.70) CARBON STEEL AND (SA.240 TP304L) STAINLESS STEEL BUTT JOINT (1G)
P-ISE 23	Phasan Vichanong	DESIGN AND DEVELOPMENT OF ANAEROBIC FERMENTATION TANK MIXING TO PRODUCE BIOGAS FROM WATER HYACINTH FOR HOUSEHOLD

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P-ISE 24	Nichaphat Kittirat	A STUDY COST REDUCTION OF DEFECTS IN RUBBER AUTOMOTIVE PARTS MANUFACTURING PROCESS BY LEAN SIX SIGMA APPROACH
P-ISE 25	Somchai Petpirun	MACHINE BREAKDOWN REDUCTION BY PREVENTIVE MAINTENANCE SYSTEM APPROACH FOR GLASS CONTAINER MANUFACTURING
P-ISE 26	Waiwan Leenakul	PHASE TRANSITION AND ELECTRICAL PROPERTIES OF $BA(1-x)SR_xTiO_3$: COMPARISON OF DIFFERENT PREPARATION TECHNIQUE
P-ISE 27	Waiwan Leenakul	EFFECTS OF NiO NANOPARTICLES ON PHYSICAL AND MECHANICAL PROPERTIES OF BNKT LEAD-FREE CERAMICS
P-ISE 28	Duongruitai Nicomrat	DIVERSE ASPERGILLUS ISOLATES FROM THE FIRST STEP OF VINEGAR FERMENTATION AND ITS APPLICATION IN SUGAR PRODUCTION
P-ISE 29	Duongruitai Nicomrat	DECLINE IN SULFATE REDUCING BACTERIAL CONSORTIA BY THE SULFUR OXIDIZING BACTERIAL ACTIVITY
P-ISE 30	Duongruitai Nicomrat	HIGH ACETIC ACID PRODUCTION IN VINEGAR FERMENTATION OF BANANA PULP BY ACETIC ACID BACTERIA ISOLATES FROM FERMENTED VINEGAR STARTER
P-ISE 31	Duongruitai Nicomrat	ENHANCING OF ACETIC ACID PRODUCTION IN VINEGAR PRODUCTION BY THE CONSORTIUM OF <i>Aspergillus spp.</i> AND YEASTS
P-ISE 32	Naphat Albutt	INFLUENCE OF CURRENTS AND ELECTRIC FIELDS FOR YNMO CERAMICS
P-ISE 33	Nitipat Eawsakul	DEVELOPMENT OF HIGH POWER LED DRIVER USING LNK418EG

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P-ISE 34	Suebsak Phayukka	STATUS AND FORECAST OF MICROSOFT DYNAMIC AX (ENTERPRISE RESOURCE PLANNING-ERP) IS A CONSULTING FIRM AND SUSTAINABLE BUSINESS. A CASE STUDY OF BANG POO INDUSTRIAL ESTATE
P-ISE 35	Prasert Wirotcheewan	THE DESIGN OF TORSIONAL FATIGUE TESTING MACHINE
P-ISE 36	Kantamard Lamasai	THE INFLUENCE OF ALUMINIUM DROSS ON THE PHASE AND MICROSTRUCTURE OF CEMENT COMPOSITES
P-ISE 37	Thossapon Jaihlong	CHARACTERIZATION OF CEMENT-RICE HUSK ASH COMPOSITES
P-ISE 38	Pornlada Pongmuksuwan	THE DEVELOPMENT OF SMART BLENDING IN A CONTINUOUS-FLOW EXTRUSION
P-ISE 39	Suparut Narksitipan	THE EFFECT OF NITROGEN PLASMA ON THE CRYSTALLINE STRUCTURE OF ZINC OXIDE FILMS
P-ISE 40	Nirun Witit-anun	EFFECT OF DEPOSITION TIME ON STRUCTURE OF TiAIN THIN FILMS DEPOSITED BY REACTIVE DC MAGNETRON CO-SPUTTERING
P-ISE 41	Nirun Witit-anun	EFFECT OF AL SPUTTERING CURRENT ON STRUCTURE OF CrAIN THIN FILMS PREPARED BY REACTIVE DC MAGNETRON CO-SPUTTERING
P-ISE 42	Chonticha Leena	CARBON THIN FILM ON SILICON BY MICROWAVE PLASMA
P-ISE 43	Panakamon Thonglor	INACTIVATION OF BREAD MOLDS ON AGAR BY ATMOSPHERIC PRESSURE PLASMA JET
P-ISE 44	Petcharin Tunkam	CARBON THIN FILM ON SILICON BY ACETYLENE DC PLASMA DEPOSITION SYSTEM
P-ISE 45	Nikorn Saengngam	DESIGN AND CONSTRUCT DC MOTOR CONTROL DRIVE CIRCUIT FOR ELECTRIC VEHICLES GOLF CAR

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P-ISE 46	Preeyanuch Nuengwong	COPPER NITRIDE FILMS BY REACTIVE DC MAGNETRON SPUTTERING
P-ISE 47	Sirinapa Aryuyuen	METHODS OF PARAMETER ESTIMATION FOR THE NEGATIVE BINOMIAL-GENERALIZED EXPONENTIAL DISTRIBUTION

Session 3: Textiles and Clothing Sustainability

Poster ID	Presenter	Abstract Title
P- TCS 01	Chi-wai Kan	A LITERATURE REVIEW OF MANUFACTURING ECO-FRIENDLY COMFORT TEXTILES AND FUTURE AGENDA
P- TCS 02	Rattanaphol Mongkholrattanasit	A SURVEY ON THE RELATION BETWEEN ECO-ADVERTISEMENT AND CONSUMER GREEN CONSCIOUSNESS ON FASHION PRODUCTS
P- TCS 03	Rattanaphol Mongkholrattanasit	CHARACTERISTICS OF FABRIC-FOAM-FABRIC PLYED MATERIAL – PART IV: WATER TRANSPORT CAPABILITY
P- TCS 04	Rattanaphol Mongkholrattanasit	SMOOTHNESS EVALUATION OF FABRIC-FOAM PLYED MATERIAL
P- TCS 05	Rattanaphol Mongkholrattanasit	INVESTIGATION OF THE ENVIRONMENTAL PERFORMANCE OF FASHION PRODUCTS ON PURCHASE INTENTION
P- TCS 06	Rattanaphol Mongkholrattanasit	CHARACTERISTICS OF FABRIC-FOAM-FABRIC PLYED MATERIAL – PART V: OVERALL MOISTURE MANAGEMENT CAPABILITY
P- TCS 07	Rattanaphol Mongkholrattanasit	SOFTNESS PROPERTY OF FABRIC-FOAM PLYED MATERIAL
P- TCS 08	Rattanaphol Mongkholrattanasit	EXPLORING THE RELATIONSHIP BETWEEN BRAND GREEN IMAGE AND PURCHASE INTENTION OF FASHION PRODUCTS
P- TCS 09	Rattanaphol Mongkholrattanasit	STUDY OF DRAPE PROPERTY OF FABRIC-FOAM PLYED MATERIAL

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P- TCS 10	Rattanaphol Mongkholrattanasit	RELATIONSHIP BETWEEN CONSUMER GREEN CONSCIOUSNESS AND PURCHASE INTENTION OF FASHION PRODUCTS
P- TCS 11	Rattanaphol Mongkholrattanasit	CHARACTERISTICS OF FABRIC-FOAM-FABRIC PLIED MATERIAL – PART I: WETTING TIME
P- TCS 12	Rattanaphol Mongkholrattanasit	EVALUATING THE WARMTH RETENTION ABILITY OF POLYURETHANE FOAM PLYING WITH FABRICS
P- TCS 13	Rattanaphol Mongkholrattanasit	EXAMINING ENVIRONMENTAL PERFORMANCE OF FASHION PRODUCTS ASSOCIATED WITH ECO-LABEL
P- TCS 14	Rattanaphol Mongkholrattanasit	CHARACTERISTICS OF FABRIC-FOAM-FABRIC PLIED MATERIAL – PART II: ABSORPTION RATE
P- TCS 15	Rattanaphol Mongkholrattanasit	EXAMINING THE AIR PERMEABILITY OF POLYURETHANE FOAM PLYING WITH FABRICS
P- TCS 16	Rattanaphol Mongkholrattanasit	A STUDY OF BRAND GREEN IMAGE IN RELATION TO ECO-BRANDING OF FASHION PRODUCTS
P- TCS 17	Rattanaphol Mongkholrattanasit	CHARACTERISTICS OF FABRIC-FOAM-FABRIC PLIED MATERIAL – PART III: LIQUID SPREADING SPEED
P- TCS 18	Rattanaphol Mongkholrattanasit	STIFFNESS ANALYSIS OF FABRIC-FOAM PLIED MATERIAL

Session 4: Innovation/technology, financial markets, and economic growth

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P-IFM 01	Kornkam Petchpradab	EFFECT OF PRODUCT RECOGNITION ADVERTISEMENTS ON PURCHASING DECISIONS FOR SKIN CARE MERCHANDISE
P-IFM 02	Songwut Prakaiwichien	DYNAMIC MULTI-PRODUCT MULTI- LEVEL CAPACITEATED LOT SIZING :A HEURISTIC OPTIMIZATION APPROACH