



**Program for Oral Presentations
June 22, 2017**

Room: Sigma 1

Session 1: Sustainability Science

Chairman: Assoc. Prof. Dr. Jakrapong Kaewkhao

Co-Chair: Asst. Prof. Dr. Worawat Meevasana

Time	Oral ID	Title	Speaker
15:40-16:05	O-SS1	<i>E. COLI</i> COLIFORM REDUCTION USING HYDROXYL RADICAL AEROSOLIZATION FROM ADVANCED OXIDATION PROCESSES FOR RAPID SURFACE DISINFECTION	Wanthanaporn Boonchan
16:05-16:30	O-SS2	OXIDATIVE IMPACTS OF TITANIUM DIOXIDE NANOPARTICLES ON THE RESPONSES OF PLANT CELL	Wilailack Chayaprasert
16:30-16:55	O-SS3	FACTORS AFFECTING CONDOMINIUM RESIDENT'S PARTICIPATION IN WASTE MANAGEMENT IN BANGKOK AREA	Nattapassorn Saksrisuwan



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Time	Oral ID	Title	Speaker
9:45-10:10	O-SS7	STUDY OF DRYING OF KAFFIR LIME LEAVES USING CONDUCTIVE HEAT TRANSFER	Chayutt Mingqaanchayut
10:10-10:25	Coffee Break		
10:25-10:50	O-SS8	MICROBIOLOGICAL EVALUATION OF COMBINED HYDROGEN PEROXIDE AND HEAT TREATMENT ON ANTIBIOTIC WASTEWATER	Jirawan Supabroob
10:50-11:15	O-SS9	ANTIOXIDANT ACTIVITIES OF TRANSGENIC FLOWER OVER-EXPRESSING FLS AND TT8 INVOLVING IN FLAVONOID BIOSYNTHESIS	Darin Dangrit
11:15-11:40	O-SS10	ELECTROSTRICTION OF DIELECTRIC ELASTOMER BASED ON NATURAL RUBBER GRAPHENE COMPOSITES FOR ACTUATOR APPLICATIONS	Darika Jaaoth
11:40-12:05	O-SS11	CONDUCTORS IN QUARTIC NUMBER FIELDS WITH UNRAMIFIED PRIME	Chanwit Prabpayak
12:05-13:00	Lunch Break		
13:00-13:25	O-SS12	SEESAW BALANCING: A HANDS-ON MODEL TO UNDERSTAND MOMENT OF FORCE IN CLASSROOM	Pongpatai Kitrungloadjanaporn
13:25-13:50	O-SS13	IMMOBILIZATION OF PEROXIDASE FROM CAULIFLOWER STEM ON ULTRAFILTRATION MEMBRANE FOR PHENOL REMOVAL	Karnika Ratanapongleka

13:50-14:15	O-SS14	WATER FOOTPRINTING COMPARING ISO STANDARD AND WATER FOOTPRINT NETWORK FRAMEWORK : A CASE STUDY OF FACULTY OF ENGINEERING, RMUTP	Prapaphorn Ployyod
14:15-14:40	O-SS15	ALL-IN-ONE FLOW-INJECTION SPECTROPHOTOMETRIC SYSTEM FOR FIELD TESTING	Sirirat Panich



**Program for Oral Presentations
June 22, 2017**

Room: Sigma 2

Session 2: Sustainability Science

Chairman: Dr. Metini Janyasupab

Co-Chair: Asst. Prof. Dr. Theerachai Bongkarn

Time	Oral ID	Title	Speaker
15.40-16.05	O-SS4	DEVELOPMENT OF STANDARDIZED PRECIPITATION RVPVAPOTRANSPIRATION INDEX PREDICTION MODEL FOR NAN RIVER BASIN	Sukrit Kirtsang
16.05-16.30	O-SS5	EFFECT OF SPACING AND NO. OF SEEDLING PER HILL ON GROWTH AND YIELD COMPONENTS OF RICE CV. CHAI NAT 1 UNDER SYSTEM OF RICE INTENSIFICATION	Sattaya Tonwong
16.30-16.55	O-SS6	DIVERSITY OF SPIDERS (ARACHNIDA: ARANEAE) IN THE RAINY SEASON OF A MIXED DECIDUOUS FOREST, MAE WONG NATIONAL PARK, KAMPHAENG PHET, NORTHERN THAILAND	Sokuntheary Chorn

**Program for Oral Presentations
June 23, 2017**

Room: Sigma 2

Session 2: Sustainability Science

:Innovative Technology and Sustainability Engineering

Chairman: Dr. Metini Janyasupab

Co-Chair: Asst. Prof. Dr. Theerachai Bongkarn

Time	Oral ID	Title	Speaker
9:45-10:10	O-SS16	THE GAMMA RAY INTERACTION PROPERTIES OF CSI(TL) SCINTILLATOR	Wasu Cheewasukhanont
10:10-10:25	Coffee Break		
10:25-10:50	O-SS17	PREDICTION OF SETTING TIME AND EARLY COMPRESSIVE STRENGTH OF CEMENT MORTARS BY ELECTRICAL CONDUCTIVITY MEASUREMENT	Rithy Lo
10:50-11:15	O-SS18	OPTICAL AND LUMINESCENCE INVESTIGATION OF DY ³⁺ DOPED IN ALKALI EARTH BARIUM PHOSPHATE GLASSES	Natthakridta Chanthima
11:15-11:40	O-SS19	ALGORITHM FOR MEASURING PERSISTENCE LENGTHS OF BIOLOGICAL STRUCTURES. A CASE STUDY OF CYANOBACTERIAL FILAMENTS	Atitheb Chaiyasitdhi
11:40-12:05	O-SS20	INVESTIGATIONS ON LUMINESCENCE PROPERTIES OF CE ³⁺ ION DOPED BISMUTH BOROPHOSPHATE GLASSES	Natthakriata Chanthima
12:05-13:00	Lunch Break		
13:00-13:25	O-ITSE4	TEACHING ELECTRIC CIRCUIT LABORATORY WITH ARDUINO-BASED ACTIVITY	Preecha Sakarung

13:25-13:50	O-ITSE5	AN ANALYSIS OF TRANSFORMERS MINERAL OIL BY USING DISSOLVED GAS ANALYSIS METHOD	Sakhon Woothipatanapan
13:50-14:15	O-ITSE6	COMPACT FLUORESCENT MICROSCOPE FOR SMARTPHONE AND TABLET	Pakapron Pimonsakonwong
14:15-14:40	O-ITSE7	DEVELOPMENT OF LOW-COST ABBE REFRACTOMETER	Thitika Jungpanich



**Program for Oral Presentations
June 22, 2017**

Room: Kappa

Session 3: Innovative Technology and Sustainability

Engineering

Chairman: Dr. Nithi Atthi

Co-Chair: Dr. Darren Albutt

Time	Oral ID	Title	Speaker
15.40-16.05	O-ITSE1	EVALUATED INVESTMENT PROJECTS USING ERP (ENTERPRISE RESOURCE PLANNING) A CASE STUDY OF INDUSTRIAL PLANTS BY REAL OPTION	Kunyaluk Nuchprayoon
16.05-16.30	O-ITSE2	DYNAMIC MULTI-PRODUCT MULTI-LEVEL CAPACITATED LOT SIZING USING HEURISTIC METHOD	Songwut Prakaiwichien
16.30-16.55	O-ITSE3	PROPERTIES OF RICE GRAIN AFTER MILD HEAT TREATMENT BY RADIO FREQUENCY HEATING FOR KILLING INSECTS	Pisith Sok

**Program for Oral Presentations
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Room: Kappa

Session 3: Innovative Technology and Sustainability

Engineering

Chairman: Dr. Nithi Atthi

Co-Chair: Dr. Darren Albutt

Time	Oral ID	Title	Speaker
9:45-10:10	O-ITSE8	FABRICATION OF A GAS LEAK DETECTOR SYSTEM FOR MOTOR VEHICLES	Maitree Thawornsin
10:10-10:25	Coffee Break		
10:25-10:50	O-ITSE9	GAS LEAK DETECTOR SYSTEM FOR INDUSTRIAL USE	Siravit Chabphet
10:50-11:15	O-ITSE10	LOW-COST AND COMPACT DIGITAL LARYNGOSCOPE	Puttharapong Pornputtarat
11:15-11:40	O-ITSE11	MANUFACTURING OF POLYMERS LENS USING 3D-PRINTED LENS MODEL	Weeratouch Pongruengkiat
11:40-12:05	O-ITSE12	MOBILE PHONE MICROSCOPE USING ASPHERIC LENS FORMED BY GRATIVITY AND SURFACE TENSION	Phitsini Suvarnaphaet
12:05-13:00	Lunch Break		
13:00-13:25	O-ITSE13	STRATEGIC GREENHOUSE GAS REDUCTION POLICY PLANNING COMPARING BIO-MASS AND CLEAN COAL POWER PLANT USING ARBON FOOTPRINT FOR ORGANIZATION (CFO) METHODOLOGY	Natworapol Rachsirivatcharabul
13:25-13:50	O-ITSE14	THERMAL DECOMPOSITION STUDY OF OIL-CONTAMINATED RECYCLED POLYESTER FIBERS FOR YROLYSIS PROCESS : A CASE STUDY OF PET RECYCLED TEXTILE FACTORY	Natworapol Rachsirivatcharabul
13:50-14:15	O-ITSE15	SHIELDING EFFECT AND GUARDING IN HIGH RESISTANCE MEASUREMENT	Nattapong Phanthuna

**Program for Oral Presentations
June 22, 2017**

Room: Omega

Session 4: Economic Modelling

Chairman: Prof. Dr. Paresh Narayan

Time	Oral ID	Title	Speaker
13.45-14.30	O-IFM1	ASYMMETRIC EFFECTS OF ENERGY PRICES· SHOCK ON THAI ECONOMY	Monthien Satimanon
14.30-15.15	O-IFM2	OIL-PRICE, INFLATION PASS-THROUGH: ARE THERE SOME KNOWN, UNKNOWNNS?	S. Ali Shah Syed
15.40-16.05	O-IFM3	IS THERE ANY RELATIONSHIP BETWEEN ENERGY CONSUMPTION AND PRODUCTIVITY? A STUDY OF TOP TEN ENERGY CONSUMER COUNTRIES	Badri Rath
16.05-16.30	O-IFM4	SIMULTANEOUS DETERMINANTS OF FISCAL POLICY, MONETARY POLICY, INCOME INEQUALITY, TRADE AND ECONOMIC GROWTH: CASE OF EMERGING MARKET ECONOMY	Dipyaman Pal
16.30-16.55	O-IFM5	BUSINESS CYCLE PHASES AND THEIR TRANSITIONAL DYNAMICS: DOES THE ECONOMIC POLICY UNCERTAINTY MATTER?	Chau Frankie
16.55-17.20	O-IFM6	US ECONOMIC UNCERTAINTY, EU BUSINESS CYCLES AND THE GLOBAL FINANCIAL CRISIS	Taufiq Choudhry
17.20-17.45	O-IFM7	COMPLEXITY IN GOLD RETURNS: EVIDENCE FROM THE COMPASS ROSE BY JONATHAN A. BATTEN, BRIAN M. LUCEY AND MAURICE PEAT	Prof. Jonathan Batten

**Program for Oral Presentations
June 23, 2017**

Room: Omega

Session 4: Economic Modelling

Chairman: Prof. Dr. Paresh Narayan

Time	Oral ID	Title	Speaker
9:00-9:25	O-IFM8	HIGH FREQUENCY TRADING AND PRICE DISCOVERY – EVIDENCE FROM EMPIRICAL STUDY AND AGENT BASED MODELING	Ya Gao
9:25-9:45	O-IFM9	IMPACT OF CONTRACT SPECIFICATIONS ON LIQUIDITY: EVIDENCE FROM THE INDIAN OPTIONS MARKET	Arjun Thukral
9:45-10:10	O-IFM10	TESTING COMMODITY FUTURES MARKET EFFICIENCY UNDER TIME-VARYING RISK PREMIUMS AND HETEROSCEDASTIC PRICES	Inguruwatte Premachandra
10:10-10:25	Coffee Break		
10:25-10:50	O-IFM11	IS STOCK MARKET SENSITIVE TO DAY-TO-DAY MONETARY OPERATIONS? EVIDENCE FROM AN EMERGING ECONOMY	Radeef Chundakkadan
10:50-11:15	O-IFM12	HOW DOES MICROFINANCE PROSPER? AN ANALYSIS OF ESG CONTEXT	Tauhidul Islam Tanin
11:15-11:40	O-IFM13	IMPACT OF COMPETITION AND DIVERSIFICATION ON RISK AND RETURN: EVIDENCE FROM THE DUAL BANKING ECONOMIES	Syed Aun Raza Rizvi
11:40-12:05	O-IFM14	OIL PALM POLICY, LAND USE CHANGE AND COMMUNITY LIVELIHOODS (OLCL) IN INDONESIA: ECONOMETRICS OF PRODUCTION AND DOMESTIC MARKET	Dennis Onuigbo
12:05-13:00	Lunch Break		

13:00-13:25	O-IFM15	MODELLING MARKET INTEGRATION IN MIDDLE EAST AND AFRICA THROUGH THE LAW OF ONE PRICE	Vinh Dang
13:25-13:50	O-IFM16	MODELING RESILIENCE TO NATURAL DISASTERS IN SMALL DEVELOPING STATES	Klyuev Vladimir
13:50-14:15	O-IFM17	CAPITAL-ENHANCED EQUILIBRIUM EXCHANGE RATE IN THE PRESENCE OF STRUCTURAL BREAKS: EVIDENCE FROM EMES AND ADVANCED ECONOMIES	Prabheesh K.P
14:15-14:40	O-IFM18	CAN TECHNOLOGY CONTESTS CREATE QUALITY TRAPS?	Hong Chen
14:40-15:05	O-IFM19	GOVERNMENT SPENDING NEWS AND THE TREASURY YIELD CURVE IN THE UNITED STATES	Dingming Liu

Poster Presentation

June 22-23, 2017

Place: 1st Floor

Session 1: Sustainability Science

Poster ID	Presenter	Title
P-SS 01	Chatchawal Sripakdee	DESIGNING OF UNIVERSAL WGM BIOSENSOR FROM MICRO PANDA RING RESONATOR
P-SS 02	Chatchawal Sripakdee	ENTANGLED PHOTON SOURCE OF QUANTUM KEY GENERATOR FROM MICRO RING RESONATOR FOR QKD USE
P-SS 03	Chatchawal Sripakdee	QUBIT NOISE WITHIN MICRO PANDA RING RESONATOR IN THE QKD PROCESS
P-SS 04	Chatchawal Sripakdee	THE STUDY OF WGM - PLASMON INTERACTION WITHIN A MICRO PANDA RING RESONATOR
P-SS 05	Ratchana Pranimit	SCREENING OF OLEAGINOUS YEAST FOR OIL PRODUCTION FROM SUGARCANE LEAVES
P-SS 06	Kiattipum Kongkeaw	TREATMENT OF THE TEXTILE BLEACHING AND DYEING INDUSTRIAL EFFLUENT BY HALOPHYTES IN LAB-SCALE CONSTRUCTED WETLAND AND HYDROPONIC EXPERIMENTAL UNITS
P-SS 07	Phuchit Sangkla	IMPROVEMENT OF COMPRESSIVE STRENGTH AND THERMAL CONDUCTIVITY OF WASTE GLASS-CONCRETE BY ADDING HUSK RICE ASH
P-SS 08	Thirapha Praradorntham	GROWTH RATE OF <i>Botryococcus braunii</i> IN THE EFFLUENT FROM ALCOHOL INDUSTRIAL PROCESS
P-SS 09	Nipaporn Seetaput	CORRELATION AND MULTIPLE REGRESSION OF 9 ECONOMIC TRAITS OF LOCAL RICE (<i>Oryza Sativa</i> L.) IN UPLAND RICE SYSTEM
P-SS 10	Napattaorn Buachoon	TOTAL PHENOLS CONTENT AND ANTIOXIDANT ACTIVITY AND DIFFERENT SOLVENT EXTRACTS OF <i>MOKARA</i> SP.

P-SS 11	Woravith Chansuvarn	DETERMINATION OF CONTAMINATED METAL IONS IN LACQUER
P-SS 12	Woravith Chansuvarn	THE DISTRIBUTION OF PESTICIDE RESIDUES IN RICE FARMING AND CONTAMINATED LEVELS IN RICE GRAIN
P-SS 13	Woravith Chansuvarn	REMOVAL OF PHOSPHATE FROM WASTEWATER USING FILTER CAKE AND CARBONIZED FILTER CAKE
P-SS 14	Theerapol Thurakitserree	CONDUCTIVITY MODIFICATION OF CARBON-BASED NANOCOMPOSITES
P-SS 15	Paisan Kanthang	THE MECHANICAL PROPERTIES FOR CLASSIFICATION OF RICE VARIETIES
P-SS 16	Keratiya janpong	IMPROVEMENT THE ELECTRICAL PROPERTIES OF THE POLYMER BY PLASMA TECHNIQUE
P-SS 17	Woravith Chansuvarn	ADSORPTION OF CADMIUM(II) ION FROM AQUEOUS SOLUTION ONTO A RAW MATERIAL OF BAMBOO POWDER AND ITS SURFACE MODIFICATION
P-SS 18	Kannika Umpuch	USING GROUND LEUCAENA BRANCHES FOR OYSTER MUSHROOM-HUNGARY CULTIVATION IN SUMMER
P-SS 19	Pongsak Noparat	BIOGAS PRODUCTION BY CO-DIGESTION OF OIL PALM FROND JUICE AND COW DUNG
P-SS 20	Thanapan boonyaratakalin	CHARACTERIZATION OF MECHANICAL AND PHYSICAL PROPERTIES OF BLEACHING PAPER FROM RICE STRAW
P-SS 21	Udomdeja Polyium	PHYTTCHEMICAL AND NUTRITIONAL VALUES OF LOCAL PLANTS IN THE PHRAEK NAM DAENG COMMUNITY SONGKHRAM PROVINCE
P-SS 22	Chanoknan Banglieng	DEVELOPMENT OF AN INTERACTIVE MULTIMEDIA MICHELSON INTERFEROMETER EXPERIMENT
P-SS 23	Pattarinee Suchada Sawasdee	EQUILIBRIUM, KINETIC AND THERMODYNAMIC ADSORPTION OF CRYSTAL VIOLET ONTO LOPBURI PERLITE

P-SS 24	Chanwit Prabpayak	ANTI FUZZY d-ALGEBRAS
P-SS 25	Monamorn Precharattana	DEVELOPMENT OF COMPUTER-ASSISTED INSTRUCTION LESSON ON IMMUNE SYSTEM ORGANS AND IMMUNE SYSTEM DISEASES
P-SS 26	Monamorn Precharattana	INDOOR RAINBOW MODEL: AN APPARATUS FOR OBSERVING SPECTRUM IN CLASSROOM
P-SS 27	Naphat Albutt	ELECTRICAL IMPEADANCE PROPERTIES OF Y ₂ NiMnO ₆ CERAMICS FOR DC BIAS AT HIGH TEMPERATURE
P-SS 28	Naphat Albutt	INVESTIGATION OF THE PHASE AND CRYSTAL STRUCTURE OF Nd DOPED Y ₂ NiMnO ₆ CERAMICS
P-SS 29	Naphat Albutt	MAGNETIC, FERROELETRIC AND MAGNETOELECTRIC PROPERTIES OF Y ₂ NiMnO ₆ CERAMICS
P-SS 30	Naphat Albutt	ODOR ABSORBING MATERIAL PRODUCED FROM FRESH PLANT BIOWASTE
P-SS 31	Panakamom Deeyai	PHASE TRANSITION AND MICROSTRUCTURE DEVELOPMENT OF BaTiO ₃ BY THERMAL DECOMPOSITION METHOD
P-SS 32	Anchana Kuttiyawong	PREPARATION AND STABILITY STUDIES OF CREAM AND LOTION CONTAINING THE EXTRACT FROM BIOMATERIALS
P-SS 33	Panakamom Deeyai	STRUCTURE AND PROPERTIES OF BaTiO ₃ CERAMICS WITH POLYVINYL ALCOHOL ADDITIVE AFTER USING SINTERING TIME
P-SS 34	Naphat Albutt	STRUCTURE OF Y ₂ NiMnO ₆ CERAMICS WITH POLYVINYL ALCOHOL ADDITIVE
P-SS 35	Naphat Albutt	THE GRAIN STRUCTURE OF Nd DOPED Y ₂ NiMnO ₆ CERAMICS AT HIGH TEMPERATURE
P-SS 36	Kantima Chaochanchaikul	PLASTICIZATION EFFECT ON TOUGHNESS OF WHEAT GLUTEN
P-SS 37	Woranuch Deelaman	DEVELOPMENT OF LIGHT WEIGHT CONCRETE BLOCKS BY MIXING NATURAL FIBER

P-SS 38	Nithiwatthn Choosakul	THE RELATIONSHIP BETWEEN THE RAINY DAY AND THE GPS - PRECIPITABLE WATER VAPOR
P-SS 39	Nisakorn Nuamsrinuan	ANALYTICAL PROCESSING DEVELOPMENT OF TIN ELEMENT USING WAVELENGTH DISPERSION X-RAY FLUORESCENCE (WDXRF) TECHNIQUE
P-SS 40	Nisakorn Nuamsrinuan	INFLUENCE OF ZINC SUBSTITUTION ON HYDROXYAPATITE STRUCTURE PREPARED BY CHEMICAL PRECIPITATION METHOD
P-SS 41	Nisakorn Nuamsrinuan	THE STUDY OF CALCIUM OXIDE FROM COCKLE SHELL USED AS A LOW-COST CATALYZER FOR BIODIESEL PRODUCTION
P-SS 42	Duongruitai Nicomrat	A HIGH POTENTIAL IN ACTIVATING BENEFICIAL INDIGENOUS MICROBES INVOLVING IN THE MEAT FERMENTATION PROCESS
P-SS 43	Duongruitai Nicomrat	AN ANTAGONISM OF ISOLATES OF ROOT-ASSOCIATED BACTERIA CONSORTIA HABITUATING IN BANANA RHIZOSPHERE
P-SS 44	Siriphatr Chamutpong	AN INFLAMMATORY EFFECT OF MOLINERLIA LATIFOLIA EXTRACTS ON MACROPHAGE RAW 264.7 CELLS
P-SS 45	Duongruitai Nicomrat	CHARACTERISTICS OF ISOLATED SPECIES OF CELLULOLYTIC BACTERIA LOCALIZED IN THE GOAT RUMENS
P-SS 46	Duongruitai Nicomrat	EFFECTS OF A BIOFERTILIZER MADE OF FERMENTED EGGS ON SOIL MICROBIAL COMMUNITY OF RICE PADDY
P-SS 47	Duongruitai Nicomrat	HIGH ACETIC ACID IN VINEGAR FERMENTATION BY THE ACTIVITY OF INDEGENOUS MICROBIAL CONSORTIUM INTERACTING WITH ACETIC ACID BACTERIA STARTER
P-SS 48	Duongruitai Nicomrat	HIGH SALT REQUIREMENT IN HOMEMADE PICKLE FERMENTED PRODUCTS AFFECTING ON DIMINISHED INDIGENOUS PATHOGENS
P-SS 49	Duongruitai Nicomrat	LACTOBACILLI DIVERSITY AS AN POTENTIAL INDICATOR FOR THE KIMCHI QUALITY
P-SS 50	Duongruitai Nicomrat	SHELF LIFE STABILITY OF FREEZING DRIED LACTOBACILLI ISOLATES FROM FERMENTED DAIRY

P-SS 51	Sarawut Jaiyen	DETERMINATION OF MASS ATTENUATION COEFFICIENTS OF CEMENT PASTE CONTAINING ILMENTE AND BARITE FOR γ -RAYS
P-SS 52	Janejira Detraksa	ISOLATION OF INDOLE-3-ACETIC ACID PRODUCING ACTINOMYCETES FROM CANTALOUPE RHIZOSPHERE IN LOPBURI PROVINCE
P-SS 53	Sunisa Saiuparad	IMPROVEMENT THE LARGEST LYAPUNOV EXPONENT FOR MEASUREMENT THE NORTHEAST MONSOON PREDICTION
P-SS 54	Sunisa Saiuparad	THE INITIAL PERTURBATION FOR MESOSCALE PREDICTABILITY
P-SS 55	Siriphatr Chamutpong	BIOLOGICAL ACTIVITIES OF PLEUROTUS OSTREATUS
P-SS 56	Nomjit Suteebut	BROKEN-MILLED RICEBERRY DRINKING YOGURT
P-SS 57	Thanapop Soteyome	STUDY THE ABILITY TO TOLERATE SALT AND PRODUCE PROTEINS BASED ON MICROORGANISMS ISOLATED FROM SOY SAUCE RESIDUE
P-SS 58	Viruntachar Kruefu	SYNTHESIS OF MOLYBDENUM TRIOXIDE: STRUCTURE PROPERTIES AND SENSING FILM PREPARATION
P-SS 59	Karan Phromthep	BACTERIAL CELLULOSE PRODUCTION FROM GAC JUICE

Session 2: Innovative Technology and Sustainability Engineering

Poster ID	Presenter	Title
P-ISE 01	Nutsuda Bunyoo	GRAPHENE/CARBON BLACK COUNTER ELECTRODE FOR PEROVSKITE SOLAR CELL
P-ISE 02	Wanthanaporn Boonchan	E. COLICOLIFORM REDUCTION USING HYDROXYL RADICAL AEROSOLIZATION FROM ADVANCED OXIDATION PROCESSES FOR RAPID SURFACE DISINFECTION
P-ISE 03	Eakarin Suwattanawinit	RESEARCH AND DEVELOPMENT OF THE ONLINE SHOPPING MANAGEMENT SYSTEM WEB APPLICATION
P-ISE 04	Papatsorn Singhatham	THE HELPER AND GUIDE SYSTEM FOR COOPERATIVE EDUCATION VIA WEB APPLICATION
P-ISE 05	Papatsorn Singhatham	AN APPROACH TO DEVELOPMENT OF MANUFACTURING DATA REPORT ACCORDING TO INTERNATIONAL STANDARDS
P-ISE 06	Papatsorn Singhatham	THE RESEARCH AND DEVELOPMENT OF TRAINING MANAGEMENT SYSTEM VIA WEB APPLICATION
P-ISE 07	Sirin Sirathanakul	DEVELOPMENT OF THE EXPERIMENTAL SET FOR MEASURING THE SPEED OF SOUND
P-ISE 08	Adjima Chayasitthisophon	ULTRASONIC FUMIGATION OF HYDROXYL RADICALS AS A SAFE ALTERNATIVE DISINFECTION FOR BACTERIAL AND MOLD REDUCTION
P-ISE 09	Jirawan Supabroob	MICROBIOLOGICAL EVALUATION OF COMBINED HYDROGEN PEROXIDE AND HEAT TREATMENT ON ANTIBIOTIC WASTEWATER
P-ISE 10	Adjima Chayasitthisophon	ULTRASONIC FUMIGATION OF HYDROXYL RADICALS AS A SAFE ALTERNATIVE DISINFECTION FOR BACTERIAL AND MOLD REDUCTION
P-ISE 11	Tudong Khamhongsa	THE PADDY DRYER WITH CONVEYOR PIPE DRYING SYSTEM

P-ISE 12	Nuttapong Meesanu	THE REAL-TIME ANALYSIS FOR THE MECHANICAL PROPERTIES OF RED BEAN GRAINS
P-ISE 13	Pisit Sonla	DEVELOPMENT OF MULTIMEDIA PACKAGE ON MICROSTRIP ANATENNA FOR LEARNING IN TELECOMMUNICATION ENGINEERING
P-ISE 14	Buppachat Toboonsung	EFFECT OF TEMPERATURE ON SPARKING SYSTEM ON SURFACE MORPHOLOGIES AND DURABILITY ON WATER CONTACT ANGLE OF TITANIUM DIOXIDE NANOPARTICLE THIN FILMS
P-ISE 15	Sarayut Pantian	EXCITATION ENERGR TRANSFER IN LIGHT-HARVESTING COMPLEX II DETECTION PROBE MODEL USING MICRO-OPTICAL DEVICE
P-ISE 16	Nattachote Rugthaicharoen cheep	PLANNING APPLICATION OF GEOGRAPHIC INFORMATION SYSTEM FOR DISTRIBUTION SUBSTATION
P-ISE 17	Nattachote Rugthaicharoen cheep	THE DESIGN OF MEDIUM SIZE VOLTAGE CAPACITOR IN ORDER TO IMPROVE THE POWER FACTOR
P-ISE 18	Nattachote Rugthaicharoen cheep	THE REDUCE EFFECT OF LIGHTNING ON TRANSMISSION LINE
P-ISE 19	Aroon Charlangsut	IMPACT OF VOLTAGE SAGS IN DISTRIBUTION SYSTEM WITH DISTRIBUTED GENERATION
P-ISE 20	Nitipat Eawsakul	DEVELOPMENT OF ULTRA-CAPACITOR FOR BEING A POWER SOURCE OF A PORTABLE SPOT WELDING
P-ISE 21	Vipa Jakchaikul	A BEHAVIOR STUDY OF THE INFORMATION TECHNOLOGY USAGE BY STUDENTS IN THE FACULTY OF SCIENCE AND TECHNOLOGY AT RAJAMANGALA UNIVERSITY
P-ISE 22	Jirasak Tharajak	THE EFFECT OF SPRAY DISTANCE ON PHASE TRANSITION OF CHROMIUM OXIDE COATINGS BY FLAME SPRAY PROCESS
P-ISE 23	Thanaporn Boonchoo	THE EFFECT OF MAGNETIC FIELDS ON ALIGNMENT DIRECTION OF IRON FILLER IN THE EPOXY

P-ISE 24	Noppakun Sanpo	INFLUENCE OF HEXAGONAL BORON NITRIDE CONTENT ON THE PROPERTIES OF FLAME SPRAYED POLYVINYL CHLORIDE COATING
P-ISE 25	Noppakun Sanpo	INVESTIGATION OF SPLAT IN FLAME SPRAYED POLYVINYL CHLORIDE COATING
P-ISE 26	Thanaporn Boonchoo	THE INFLUENCE OF BAMBOO CHARCOAL TO MECHANICAL PROPERTIES OF EPOXY COATING
P-ISE 27	Duongruitai Nicomrat	LACTIC ACID BACTERIA STARTER PARTICIPATING IN HYGIENIC LONG SHELF-LIFE OF THE PLAA-SOM FERMENTED PRODUCT
P-ISE 28	Somjai Peanprasit	THE COMPARISON OF THE ALTERNATIVE FUEL PROPERTIES AT LOW TEMPERATURES
P-ISE 29	Prasert Wirotcheewan	THE IMPROVEMENTS OF TORSIONAL FATIGUE TESTING MACHINE
P-ISE 30	Chatchai Kruea-In	EFFECTS OF RATE CONTROLLED SINTERING ON DIELECTRIC AND MECHANICAL BEHAVIOR OF COBALT OXIDE DOPED BISMUTH SODIUM POTASSIUM TITANATE CERAMICS
P-ISE 31	Pratthana Intawin	FABRICATION AND DEVELOPMENT OF BLUE CRYSTAL GLASS USING REDUCTION REACTION
P-ISE 32	Manlika Kamnoy	MECHANICAL PROPERTIES AND MICROSTRUCTURE OF Li ₂ O-SiO ₂ -P ₂ O ₅ -Al ₂ O ₃ -K ₂ O-CaO GLASS- CERAMICS
P-ISE 33	Tawee Tunkasiri	THE ACOUSTIC IMPEDANCE AND OTHER PROPERTIES OF (1-3) PIEZOCERAMICS POLYMER COMPOSITE
P-ISE 34	Prasert Wirotcheewan	A STUDY FATIGUE OF STEEL S45C SUBJECTED TO TORSION
P-ISE 35	Supawud Nedphokaew	SWINE FEEDING QUANTITY BY RADIO FREQUENCY IDENTIFICATION
P-ISE 36	Nattapong Phanthuna	AN IMPROVED WATERSHED IMAGE SEGMENTATION ALGORITHM AND COLOR IMAGE ENHANCEMENT
P-ISE 37	Supawud Nedphokaew	PROGRAMMABLE LOGIC CONTROLLER TEST SET FOR MINI CONVEYOR
P-ISE 38	Supawud Nedphokaew	DESIGN OF HIGH VOLTAGE INSULATION DIELECTRIC STRENGTH TESTING

P-ISE 39	Nattapong Phanthuna	IMPLEMENTATION OF VARIABLE SPEED DRIVE FOR OIL-PUMP SYSTEM
P-ISE 40	Nattapong Phanthuna	VOLTAGE FLUCTUATION REDUCTION OF INDUSTRY WITH VOLTAGE REGULATOR(VR) ON POWER DISTRIBUTION SYSTEM
P-ISE 41	Varinthorn Boonyaroj	FABRICATION AND PROPERTIES OF PANICUM REPENS REINFORCED CEMENT
P-ISE 42	Varinthorn Boonyaroj	THE FEASIBILITY STUDY OF USING PARA RUBBER LEAVES FOR LIGHTWEIGHT FLAT SHEET PROTOTYPE PRODUCTION
P-ISE 43	Varinthorn Boonyaroj	THE POTENTIAL USE OF PARA WOOD ASH IN A CEMENT COMPOSITE
P-ISE 44	Kornpong Thongsri	THE PROJECT STUDY AND DESIGN OF PHYSICAL ENVIRONMENTAL RESPONDS TO ELDER CASE STUDY: DESIGN AND DEVELOPMENT OF SOCIAL WELFARE DEVELOPMENT CENTER FOR OLDER PERSONS PATHUM-THANEE.
P-ISE 45	Rawiphon Charunphankasem	DEVELOPMENT OF TANGIBLE MEDIA CALCULATIONS IN NUMBER FOR MATHEMATICS LEARNING IN GRADE I

Session 3: Textiles and Clothing Sustainability

Poster ID	Presenter	Title
P- TCS 01	Frederick Tungshing Fung	STUDY OF AIR GAPS INFLUENCING PATTERN DRAFTING FOR WEARING COMFORT AND PERFECT FIT TO SAVE LABOR, TIME AND MATERIALS FOR GREEN ENVIRONMENT
P- TCS 02	Nareerut Jariyapunya	THE ANALYTICAL STUDY OF FEMALE ANTHROPOMETRIC DATA FOR BODY SHAPE DESCRIPTION
P- TCS 03	Praparnporn Theeramongkol	CARE LABEL AND SYMBOL DESIGN FOR NATIVE TEXTILE PRODUCTS
P- TCS 04	Praparnporn Theeramongkol	DESIGN AND DEVELOPMENT OF BANANA FIBER TEXTILES WITH GRAPHIC PRINTING AND DECORATION NANO INNOVATION TO THE ECONOMIC COMMUNITIES COMMERCIAL
P- TCS 05	Autcha Hattayananont	DEVELOPMENT MOA-HOAM FABRIC OF PHRAE PROVINCE BY GOLD PAINTING FOR HOME TEXTILE TO COMMERCIAL
P- TCS 06	Autcha Hattayananont	YARN DEVELOPMENT FROM RICE STRAW TO COMMERCIAL

Session 4: Economic Modelling

Poster ID	Presenter	Title
P-IFM 01	Orachun Jansritanyagose	EFFECT OF CHILD LABOUR ABUSE IN A MULTINATIONAL COMPANY ON CONSUMER BEHAVIOUR OF TEENAGERS AND EARLY ADULTS
P-IFM 02	Sorapat Sirorab	AN IMPACT OF EU'S GENERALIZED SYSTEM OF PREFERENCE WITHDRAWAL ON THAI FROZEN SHRIMP EXPORT