

**Program for Oral Presentations
July 15, 2015**

Room: DELTA

Section 1: Sustainability Science and Challenges

Chairman: Assoc. Prof. Dr. Tawechai Amornsakchai

Time	Code	Title	Speaker
15:20-15:40	O-SSC1	STATE DIAGRAMS OF TWO THAI RICE VARIETIES DIFFERING IN AMYLOSE CONTENTS	Chutamas Boonrod
15:40-16:00	O-SSC2	SIZE DISTRIBUTION OF PARTICULATE MATTERS AND PARTICULATED POLYCYCLIC AROMATIC HYDROCARBONS DURING HAZE PERIOD IN PAYAO PROVINCE	Jaturaporn Pooltawee
16:00-16:20	O-SSC3	UTILIZATION FROM OKARA TO REPLACE WHEAT FLOUR IN ICE-CREAM CONE	Chompoonuch Phuenpipob
16:20-16:40	O-SSC4	AWARENESS AND PRACTICES IN GREEN TECHNOLOGY OF COLLEGE STUDENTS	Meah Gonzaga
16:40-17:00	O-SSC5	ENVIRONMENTAL AWARENESS AND PRACTICES AMONG HIGH SCHOOL STUDENTS: BASIS FOR DISASTER PREPAREDNESS PROGRAM	Eliseo P. Marpa

**Program for Oral Presentations
July 15, 2015**

Room: EPSILON

Section 2: Innovative Technology and Sustainability
Engineering

Chairman: Dr. Pasist Suwanapingkarl

Time	Code	Title	Speaker
15:20-15:40	O-ISE1	FORECASTING METHODS FOR BANDWIDTH INTERNET DEMAND IN THE LAO TELECOMMUNICATION COMPANY	Soukan Khounpaseth
15:40-16:00	O-ISE2	DIELECTRIC AND MAGNETIC THE PREDICTION OF TRAFFIC 4G FOR CUSTOMER'S DEMAND OF LAO TELECOMMUNICATIONS COMPANY USING STATISTICAL METHOD	Chanthasone Boulom
16:00-16:20	O-ISE3	DEVELOPMENT OF EXPERT SYSTEM FOR MONITORING PRODUCTION PLAN AND INSPECTION OF READY-MADE FABRIC CASE STUDY: TEXTILE BLEACHING, DYEING, AND FINISHING INDUSTRY	Noppawan Charoenkid
16:20-16:40	O-ISE4	MATERIAL PROCUREMENT PROCESS IMPROVEMENT FOR GREEN SUPPLY CHAIN MANAGEMENT CASE STUDY: METAL STAMPING INDUSTRIAL	Sansak Parklumjiek
16:40-17:00	O-ISE5	AN APPLICATION OF RELIABILITY CENTERED MAINTENANCE TECHNIQUE FOR PREVENTIVE MAINTENANCE IN REFINERY PLANT	Itthipol Nakamanuruck

**Program for Oral Presentations
July 15, 2015**

Room: GAMMA

Section 3: National Symposium for Science Technology
and Innovation

Chairman: Dr. Surachet Dechphung

Time	Code	Title	Speaker
15:20-15:40	NS1	DESIGN OF FORMULA STUDENT RACING CAR SUSPENSION SYSTEM	Pongsakorn Karnjanapollet
15:40-16:00	NS2	A DESIGN OF INTAKE MANIFOLD FOR TSAE STUDENT FORMULA COMPETITION	Jirawat Dockyaem
16:00-16:20	NS3	A DESIGN OF POWERTRAIN FOR TSAE STUDENT FORMULA COMPETITION	Navapun Nanchaisin
16:20-16:40	NS4	THE COMPARATIVE FUEL PROPERTIES OF BIODIESEL PRODUCED BY TRANSESTERIFICATION PROCESS WITH DIFFERENT ALKALINE CATALYSTS	Suphakarn Jenpaned
16:40-17:00	NS5	REDUCING WASTE IN THE MANUFACTURING PROCESS: CASE STUDY DADEAR CERAMICS FACTORY IN LAMPANG PROVINCE	Chirawat Woarawichai

**Program for Oral Presentations
July 16, 2015**

Room: DELTA

Section 1: Sustainability Science and Challenges

Chairman: Assoc. Prof. Khemchai Hemachandra

Time	Code	Title	Speaker
9:20-9:40	O-SSC6	DISSIMILAR METALS WELDING OF CP TITANIUM TO 304 STAINLESS STEEL USING TIG WELDING PROCESS	Thanaporn Thonondaeng
9:40-10:00	O-SSC7	THE EFFECT OF CARBURIZING TOWARD THE RATING DESIGN OF TUBE COIL OF NICKEL-BASE ALLOY GRADE 35Cr-45Ni-Nb	Chokchai Singhatham
10:00-10:20	O-SSC8	THE STUDY OF WELDING REPAIR PARAMETERS OF TUBE COIL 35Cr-45Ni-Nb ALLOY OF THE ETHYLENE HEATING FURNACE	Chokchai Singhatham
10:20-10:50	Morning Coffee Break		
10:50-11:10	O-SSC9	HIGH PERFORMANCE HUMIDITY SENSOR BASED ON ZnO NANOPARTICLES SYNTHESIZED BY CO-PRECIPIATION METHOD	Theerapong Santhaveesuk
11:10-11:30	O-SSC10	FORECASTING PREDICTING THE UV SPECTRUM OF OLIGODEOXYNUCLEOTIDE BY 2D-MATLAB	Naphat Chathirat

**Program for Oral Presentations
July 16, 2015**

Room: EPSILON

Section 2: Innovative Technology and Sustainability
Engineering

Chairman: Dr. Winai Chanpeng

Time	Code	Title	Speaker
9:20-9:40	O-ISE6	A STUDY OF LITHIUM AND COBALT RECOVERY PARAMETERS FROM SPENT LI-ION BATTERIES	Siriya Chansakun
9:40-10:00	O-ISE7	LIFETIME SIMULATION OF RECHARGEABLE BATTERIES FOR SOLAR POWERED FISHING LIGHTS	Gunther Bohn
10:00-10:20	O-ISE8	PEDELEC: TOWARDS A BETTER UNDERSTANDING OF AGEING PROCESSES OF E-BIKE BATTERIES	Sven Bayer
10:20-10:50	Moring Coffee Break		
10:50-11:10	O-ISE9	TOWARDS GREEN MEASUREMENTS – A LOW POWERTECHNIQUE TO DETERMINE THE IMPULSE RESPONSE OF AN ANALOG LTI SYSTEM	Lida Dastager
11:10-11:30	O-ISE10	CUMULATIVE RAINFALL RATE AND RAIN ATTENUATION PREDICTION MODEL AT VIENTIANE, LAOS	Bounthavy Sengnouanxay

**Program for Oral Presentations
July 16, 2015**

Room: GAMMA

Section 3: National Symposium for Science Technology
and Innovation

Chairman: Dr. Singkaew Pokterng

Time	Code	Title	Speaker
9:20-9:40	NS6	THESIS RESEARCH ONLINE SYSTEM	Sirirat Tabboon
9:40-10:00	NS7	THESIS DATABASE MANAGEMENT SYSTEM VIA INTERNET	Preyanuch Hotek
10:00-10:20	NS8	SYSTEM NOTIFICATION COMPUTER REPAIRING ON ANDROID MOBILE	Nuengruethai Chaiduangsi
10:20-10:50	Moring Coffee Break		
10:50-11:10	NS9	EVALUATING THE INFLUENCE OF FIBER COMPOSITION AND STRUCTURE OF KNITTING FABRICS ON TOTAL HAND VALUE (THV)	Nareerut Jariyapunya
11:10-11:30	NS10	EFFECT OF PACKAGING COLOR ON THE FRESHNESS PERCEPTION OF MANGOSTEEN	Suriya Mulinin
11:30-13:00	Lunch Break		
13:00-13:20	NS11	JOB SHOP PRODUCTION SCHEDULING BY CONSIDER THREE STRUCTURE OF PRODUCT	Cheerapan Chanthaharn
13:20-13:40	NS12	THE BRAKING FORCES DESIGN FOR THE FORMULA STUDENT	Klitiprong Mahingsa
13:40-14:00	NS13	A DESIGN STRCUTURE AND IMPACT ATTENUATOR FOR FORMULA STUDENT	Kyittikorn Kanavipawut
14:00-14:20	NS14	A REMOVAL PROCESS FOR CARBONDIOXIDE CONTAMINATED IN BIOGAS SYSTEM REMOVAL BY BIOLOGICAL TREATMENT OF ALGAE <i>Chlorella</i> sp.	Apinyaporn Saithong
14:20-14:40	NS15	DEVELOPMENT OF PORTABLE EQUIPMENT FOR INDICATING THE QUALITY OF BRIQUETTE FUELS	Kitti Chuaiwan

Poster Presentation
Thursday July 16, 2015
Time 13:00-16:00
Place: MEETING ROOM

Section 1: Sustainability Science

Poster ID	Abstract ID	Presenter	Abstract Title
P-SS 01	22	Kasidid Chansaengsri	EFFECT OF SUBSTRATE TEMPERATURE OF ON PROPERTIES OF COBALT OXIDE THIN FILMS PREPARE BY ELECTROSTATIC SPRAY DEPOSITION TECHNIQUE
P-SS 02	23	Saksit Sukprasong	INVESTIGATION OF OPTICAL SPECTROSCOPIC PROPERTIES IN FLUORESCENT CREAMS
P-SS 03	24	Yongyut Manjit	INVESTIGATE OF FRINGES PATTERN DISTRIBUTION IN CIRCULAR DISK BY REFLECTION POLARISCOPE TECHNIQUE
P-SS 04	25	Direklit Chantarawong	ELECTROSTATIC SPRAY DEPOSITION OF SILVER DOPED TITANIUM DIOXIDE NANOPARTICLES THIN FILMS FOR HUMIDITY SENSOR DEVICE
P-SS 05	26	Sutatip Thonglem	CHARACTERIZATIONS OF MAGNESIUM DOPED ZINC OXIDE FILMS PREPARED BY ULTRASONIC SPRAY PYROLYSIS TECHNIQUE
P-SS 06	27	Suwannaporn Boonpeng	QUALITY CHANGES OF MINCED FISH ADDED WITH CADMIUM AND ORGANOSULFUR COMPOUNDS DURING CHILLED STORAGE
P-SS 07	28	Natpasit Chaithanakun	EFFECT OF HYDROXIDE CONCENTRATION AND ADDING ASCORBIC ACID ON MORPHOLOGY SHAPE OF ZINC OXIDE NANOSTRUCTURE PREPARED BY SIMPLE CHEMICAL PRECIPITATION METHOD
P-SS 08	29	Narin Tammarugwattana	STUDY ON OPTICAL AND ELECTRICAL PROPERTIES OF METAL (Bi, Sn) DOPED NICKEL-PHTHALOCYANINE THINFILMS
P-SS 09	30	Pratthana Intawin	EFFECTS OF SF ON OPTICAL AND DIELECTRIC PROPERTIES OF P2O5-CaO-Na2O GLASSES

P-SS 10	31	Kitipong Mano	STUDY OF OPTICAL AND ELECTRICAL PROPERTIES OF TIN-DOPED MAGNESIUM PHTHALOCYANINE THIN FILMS GROWN BY THERMAL CO-EVAPORATION
P-SS 11	32	Natthiya Chaichana	ANTIOXIDANT AND NUTRITION FACTS OF <i>Pittosporopsis kerrii</i> Craib.
P-SS 12	33	Chalerm Chaiyawong	THE DIRECT MECHANICAL MEASUREMENT FOR COOKED RICE
P-SS 13	34	Paisan Kanthang	THE STUDY AND SCREENING OF BACTERIA FOR SILVER NANOPARTICLE BIOSYNTHESIS
P-SS 14	35	Paisan Kanthang	THE STUDY OF BROWN RICE FRICTION BY USING KERNEL TRACKING IN KEROSENE
P-SS 15	36	Chatchawal Sripakdee	QUANTUM NOISE OF ATOM-PHOTON SYNCHRONIZATION IN MICRO PANDA RING RESONATOR OPTICAL TWEEZERS
P-SS 16	37	Chatchawal Sripakdee	SCHEMATIC QUANTUM CLOUD MEMORY DEVICE FROM MICRO PANDA RING RESONATOR
P-SS 17	38	Duongruitai Nicomrat	APPLICATION OF MICROBIAL COMMUNITY FOR ENHANCING NUTRITIONAL AND APPEALING FERMENTED JUICE
P-SS 18	39	Parinya Somkid	HIGH QUALITY CHARACTERISTICS OF BRIQUETTE FUEL BASED ON PHYSICAL APPEARANCES AND ELECTRICAL INDUCTION
P-SS 19	40	Duongruitai Nicomrat	PESTICIDES CONTAMINATED IN RICE PADDY SOIL AFFECTING ON MICROORGANISM COMMUNITY
P-SS 20	41	Sutee Chantrapakajee	THE PHYSICAL PROPERTIES OF NEW YBaCuO SUPERCONDUCTOR: Y13-20-33
P-SS 21	42	Udomdeja Polyium	PHYTOCHEMICAL SCREENING AND BIOLOGICAL ACTIVITIES OF MADEUA (<i>Ficus hispida</i> Linn) LEAVES
P-SS 22	43	Rawat Jaisutti	DEVELOPMENT OF VOCs GAS SENSOR USING PANi/PMMA BLEND FILM FOR ENVIRONMENT MONITORING
P-SS 23	44	Noppakun Sanpo	ANTIMICROBIAL PROPERTIES OF TRANSITION METALS SUBSTITUTED CHITOSAN AGAINST COBETIA MARINA
P-SS 24	45	Noppakun Sanpo	BIOCOMPATIBILITY OF COLD SPRAYED SILVER-DOPED HYDROXYAPATITE/TITANIUM COATINGS

P-SS 25	46	Noppakun Sanpo	COLD SPRAY MODIFICATION OF ZNO-CU COATINGS FOR BACTERIAL ATTACHMENT INHIBITION
P-SS 26	47	Thanaporn Boonchoo	EFFECT OF WELDING ON HARDNESS AND DEFORMATION BEHAVIOR OF POLYPROPYLENE BY SCRATCH TEST
P-SS 27	48	Noppakun Sanpo	THERMAL SPRAY MAPS: LIQUID FEEDING THERMAL SPRAY SYSTEMS
P-SS 28	49	Jirasak Tharajak	WORN SURFACE AND FRICTION COEFFICIENT OF FERROMAGNETIC MATERIALS UNDER MAGNETIC FIELDS

Section 2: Innovative Technology and Sustainability Engineering

Poster ID	Abstract ID	Presenter	Abstract Title
P-ISE 01	50	Thitipong Phothisoot	STUDY ON FUZZY SETS SYSTEM TO GRADING OF THE STAGE OF BANANAS RIPENING BY IMAGE PROCESSING
P-ISE 02	51	Prin Boonkanit	AN AHP FOR PRIORITIZING AND SELECTING INDUSTRIAL WASTE MANAGEMENT METHOD
P-ISE 03	52	Wittaya Pansong	EXPERIMENTAL DESIGN TO PARAMETERS OPTIMIZATION FOR TANDEM SUBMERGE ARC WELDING (TSAW). CASE STUDY: HIGH PRESSURE STEEL TANK IN SHIP BUILDING INDUSTRY
P-ISE 04	53	Teantong Chonsut	IMPROVEMENT OF EFFICIENCY OF HYBRID POLYMER-ZINC OXIDE SOLAR CELLS PREPARED BY RAPID CONVECTIVE DEPOSITION
P-ISE 05	54	Pornchaloem Nakswan	THE STUDY OF RECYCLED POLY (ETHYLENE TEREPHTHALATE) NANO FIBRE FROM PET BOTTLE
P-ISE 06	55	Prasert Wirotcheewan	THE NEW DESIGN OF THAI SAUSAGE MAKING MACHINE
P-ISE 07	56	Papatsorn Singhatham	THE DEVELOPMENT OF MULTIMEDIA AND INTERACTIVE SYSTEM, THROUGH NETWORK FOR LEARNING OF OPPORTUNITIES SCHOOL

P-ISE 08	57	Papatsorn Singhatham	THE DEVELOPMENT OF PROGRAM ASSESSES THE KNOWLEDGE OF NON-DESTRUCTIVE EXAMINATION
P-ISE 09	58	Paisan Kanthang	THE FLOUR PROCESSING MACHINE FOR <i>Musa Sapientum Linn</i>
P-ISE 10	59	Kerawat Hirunrat	THE STUDY OF PADDY RICE DRYER BY CONVEYER PIPE DRYING SYSTEM
P-ISE 11	60	Krit Jedwanna	ENGINEERING PROPERTIES OF ASPHALTIC CONCRETED (AC 60/70) MODIFIED WITH NATURAL RUBBER AND CRUMB RUBBER
P-ISE 12	61	Krit Jedwanna	IN-DEPTH SAFETY PROBLEMS ANALYSIS OF TRANSIT VAN IN THAILAND
P-ISE 13	62	Krit Jedwanna	THE EFFECTIVENESS OF THE ROAD SAFETY AUDIT FOR CONSTRUCTION PROJECT : A CASE STUDY OF CONSTRUCTION PROJECT ON HIGHWAY NO.318 TRAT-HADLEK
P-ISE 14	63	Korakote hanthanyagram	CARBON DIOXIDE SEQUESTRATION FROM BIOGAS PRODUCTION BY MICROALGAE <i>Chlorella sp.</i>
P-ISE 15	64	Duongruitai Nicomrat	CHARACTERISTICS OF CULTIVATED SULFUR OXIDIZING BACTERIA COMMUNITY ISOLATED FROM COAL MINE TREATMENT PLANT IN H ₂ S REMOVAL
P-ISE 16	65	Duongruitai Nicomrat	MICROBIAL COMPARISION IN SYNTHESIZING GOLD NANOPARTICLES FOR HARVESTING GOLD IN WASTE WATER SYSTEM

Section 3: Textiles and Clothing Sustainability

Poster ID	Abstract ID	Presenter	Abstract Title
P- TCS 01	66	Nareerut Jariyapunya	EVALUATING THE INFLUENCE OF FIBER COMPOSITION AND STRUCTURE OF KNITTING FABRICS ON TOTAL HAND VALUE (THV)
P- TCS 02	67	Rattanaphol Mongkholrattanasit	A STUDY OF MOISTURE PROPERTIES OF COMMERCIALY AVAILABLE INNERWEAR

P- TCS 03	68	Rattanaphol Mongkholrattanasit	A STUDY OF THERMAL PROPERTIES OF COMMERCIALY AVAILABLE INNERWEAR
P- TCS 04	69	Rattanaphol Mongkholrattanasit	BENDING PROPERTIES ANALYSIS OF PAPER TOWELS
P- TCS 05	70	Rattanaphol Mongkholrattanasit	COMPRESSION PROPERTIES ANALYSIS OF PAPER TOWELS
P- TCS 06	71	Rattanaphol Mongkholrattanasit	IMPROVING THE METAL ABSORPTION OF COTTON FABRIC USING PLASMA TREATMENT
P- TCS 07	72	Rattanaphol Mongkholrattanasit	PAD DYEING AND SIMULTANEOUS MORDANTING TECHNIQUES FOR SILK FABRIC DYED WITH LAC DYE: THE EFFECT OF METAL MORDANTS CONCENTRATION
P- TCS 08	73	Rattanaphol Mongkholrattanasit	RELATIONSHIP BETWEEN ULTRAVIOLET PROTECTION AND STRETCH OF SINGLE JERSEY KNIT OUTERWEAR
P- TCS 09	74	Rattanaphol Mongkholrattanasit	SHEARING PROPERTIES ANALYSIS OF PAPER TOWELS
P- TCS 10	75	Rattanaphol Mongkholrattanasit	SURFACE PROPERTIES ANALYSIS OF PAPER TOWELS
P- TCS 11	76	Rattanaphol Mongkholrattanasit	TENSILE PROPERTIES ANALYSIS OF PAPER TOWELS
P- TCS 12	77	Wasana Changmuong	DEVELOPMENT OF THAI-CHINA ETHNIC CLOTHES APPROACH TO ASEAN COMMUNITY: A CASE STUDY OF THAI SONG DUM AND GUANGXI ZHUANG
P- TCS 13	78	Rattanaphol Mongkholrattanasit	BATIK ON COTTON FABRIC USING PIGMENT DYESTUFFS AND RESIST PASTE FROM FLOUR OF WILD TARO (COLOCASIA ESCULENTA (L.) SCHOTT)
P- TCS 14	79	Kongkiat Maha-in	SIMULTANEOUS MORDANTING AND DYEING OF SILK FABRIC WITH NATURAL DYE FROM LONGAN LEAVES
P- TCS 15	80	Rattanaphol Mongkholrattanasit	RELATIONSHIP BETWEEN ULTRAVIOLET PROTECTION AND COLOUR OF SINGLE JERSEY KNIT OUTERWEAR
P- TCS 16	81	Kittisak Ariyakuarea	TENSILE AND TEARING STRENGTH PROPERTIES OF PRINTED COTTON FABRIC USING WARP YARN PRINTING TECHNIQUE

P- TCS 17	82	Cholthicha Sarikanon	DYEING STUDIES OF COTTON TOWEL PRODUCT WITH NATURAL DYES AND EFFECT OF CATIONIZATION ON COLOUR CHARACTERISTICS
P- TCS 18	83	Rattanaphol Mongkhorrattanasit	RELATIONSHIP BETWEEN ULTRAVIOLET PROTECTION AND MOISTURE OF SINGLE JERSEY KNIT OUTERWEAR

Section 4: Miscellaneous

Poster ID	Abstract ID	Presenter	Abstract Title
P-M 01	84	Krailas Sirisorn	DECISION MAKING TOOL FOR SELECTING THE OVERHEAD CRANES USING SWOT-AHP TECHNIQUES A CASE STUDY: THE STEEL MANUFACTURING INDUSTRY
P-M 02	85	Nongnut Sasithorn	PREPARATION OF SILK FIBROIN NANOFIBRES BY NEEDLELESS ELECTROSPINNING USING FORMIC ACID-CALCIUM CHLORIDE AS THE SOLVENT
P-M 03	86	Pattarawan Khumma	MANAGER ONLINE'S POLICIES AND MANAGEMENT TOWARD THE ASSOCIATION IN ASEAN ECONOMIC COMMUNITY (AEC)
P-M 04	87	Papatsorn Singhatham	RESEARCH PERFORMANCE REPORTING OF RAJAMANGALA UNIVERSITY OF TECHNOLOGY PHRA NAKHON
P-M 05	88	Veerawan Janthanasub	OPHAPASAI: EYE GAZE CONTROL INTERFACE TO AUGMENTATIVE AND ALTERNATIVE COMMUNICATION FOR PEOPLE WITH ALS
P-M 06	89	Wirote Yimklib	A STUDY OF EFFICIENCY OF THE USING OF HUMAN RESOURCE MANAGEMENT OF RAJAMANGALA UNIVERSITY OF TECHNOLOGY PHRA NAKHON
P-M 07	90	Praparnporn Theeramongkol	CARE LABEL AND SYMBOL DESIGN FOR NATIVE TEXTILE PRODUCTS
P-M 08	91	Autcha Hattayanant	YARN DEVELOPMENT FROM RICE STRAW TO COMMERCIAL