

PROGRAM FOR GRAND OPENING CEREMONY OF STT42

30th November 2016

VIBHAVADEE BALLROOM, CENTARA GRAND AT CENTRAL PLAZA LADPRAO, BANGKOK

Time	Events
8:00-8:30	All guests are seated in Vibhavadee Ballroom
9:00	<ul style="list-style-type: none"> - Arrival of Her Royal Highness Princess Maha Chakri Sirindhorn - Presentation of Souvenirs and Program Book from Associate Professor Dr.Napavarn Noparatnaraporn, President of The Science Society of Thailand under the Patronage of His Majesty the King, Associate Professor Dr.Viroch Impithuksa, Chairperson of Kasetsart University Council and Associate Professor Dr.Pranut Potiyaraj, Chairperson of Academic Affairs of STT42 - Report on STT42 by Professor Dr.Piamsook Pongsawasdi, Chairperson of STT42 - Her Royal Highness Princess Maha Chakri Sirindhorn graciously presents plaques to Distinguished Keynote Lecturer, 2016 Senior Scientists, 2016 Thailand Outstanding Scientist, 2016 Outstanding Technologists, 2016 Young Scientists, 2016 Young Technologist, 2016 Outstanding Science Teachers, Winners of 2015 National Science Projects Competition, and STT42 Premium Sponsors - Grand Opening Address by Her Royal Highness Princess Maha Chakri Sirindhorn
9:40	<ul style="list-style-type: none"> - Brief introduction of Distinguished Keynote Lecturer Professor Dan Shechtman, 2011 Nobel Laureate in Chemistry by Dean of Faculty of Science, Kasetsart University: Professor Dr.Supa Hannongbua - Keynote Lecture: “Quasi -Periodic Crystals -A Paradigm Shift in Crystallography” Professor Dan Shechtman
10:20	<ul style="list-style-type: none"> - Brief introduction of Professor Vorasuk Shotelersuk, M.D., 2016 Thailand Outstanding Scientist by President of the Science Society of Thailand under the Patronage of His Majesty the King: Associate Professor Dr.Napavarn Noparatnaraporn - Plenary lecture: “Advanced Genetics Technologies in the Context of Sufficiency Economy” Professor Vorasuk Shotelersuk, M.D.
11.00	Her Royal Highness Princess Maha Chakri Sirindhorn visits Commemorative Exhibition and Students’ Science Projects
11.30	<ul style="list-style-type: none"> - Her Royal Highness Princess Maha Chakri Sirindhorn presides at photo sessions with <ul style="list-style-type: none"> - Minister of Science and Technology and Members of the Council of Science Dean of Thailand - Administrative and Committees of the Science Society of Thailand under the Patronage of His Majesty the King - Administrative and STT42 Organizing Committees of Kasetsart University - Her Royal Highness Princess Maha Chakri Sirindhorn presides at Grand Lunch
12.30	Her Royal Highness Princess Maha Chakri Sirindhorn departs from Centara Grand at Central Plaza Ladprao

PROGRAM FOR SPECIAL SESSIONS, MEETINGS, FORUMS, INVITED LECTURES AND ORAL PRESENTATIONS

30th November 2016

SPECIAL TALK

ROOM: LADPRAO SUITE

Time	ID	Title	Speaker
13:30-14:00	SP7_001	TRANSFORM LEARNING IN AND OUT OF THE CLASSROOM THROUGH TECHNOLOGY	Don Carlson <i>Microsoft Asia-Pacific</i>

SCIENCE FRONTIER: WORLD CLASS RESEARCH FOR THAI SOCIETY

ROOM: LADPRAO SUITE

Time	ID	Title	Speaker
14:00-14:30	SP3_001	CLINICAL APPLICATIONS OF ADVANCED MOLECULAR TECHNIQUES IN THAILAND	Vorasuk Shotelersuk
14:30-15:00	SP3_002	GEM-GEOTOURISM DEVELOPMENT OF THE FRONTIER SUSTAINABLE TOURISM IN THAILAND	Krit Won-In

PANEL DISCUSSION

ROOM: LADPRAO SUITE

Time	Title	Speaker
15:15-17:00	INNOVATION, THROUGH THE EYES OF SCIENCE - INDUSTRIAL PARTNERSHIPS	Supasorn Wanichwecharungruang <i>Chulalongkorn University</i> Arnut Suptaweekul <i>Betagro</i> Chakkrit Supavasuthi <i>Western Digital</i> Supot Hannongbua (Moderator) <i>Chulalongkorn University</i>

DINNER AND DIALOGUE WITH NOBEL LAUREATE

ROOM: VIBHAVADEE BALLROOM

(by invitation only)

Time	Events
17:30	Registration (Guests are welcomed to visit Commemorative Exhibition.)
18:00	Welcome Speech <i>Dr.Pichet Durongkaveroj, Minister of Science and Technology</i>
18:15	Dinner
19:00	Special Talk: “Technological Entrepreneurship: Teaching in Universities and Starting up the Nation” <i>Professor Dan Shechtman, 2011 Nobel Laureate in Chemistry</i>
19:30	Questions and Answers
20:00	Closing

This event is hosted by:

- The Science Society of Thailand under the Patronage of His Majesty the King
- Faculty of Science, Kasetsart University
- National Science Technology and Innovation Policy Office
- National Innovation Agency

**PROGRAM FOR SPECIAL SESSIONS, MEETINGS, FORUMS, INVITED
LECTURES AND ORAL PRESENTATIONS**

1st December 2016

ANNUAL MEETING

ROOM: VIBHAVADEE BALLROOM A

Time	Title
12:00-13:30	ANNUAL MEETING OF THE SCIENCE SOCIETY OF THAILAND UNDER THE PATRONAGE OF HIS MAJESTY THE KING

DEANS FORUMS

ROOM: KRUNGTHEP 2

Time	Title
09:00-12:00	MEETING OF THE COUNCIL OF SCIENCE DEAN OF THAILAND
14:00-16:00	ASEAN DEANS OF SCIENCE FORUM: BUILDING BRIDGES THROUGH SCIENCE TECHNOLOGY & INNOVATION FOR SUSTAINABILITY

SESSION A: MATHEMATICS / STATISTICS / COMPUTER SCIENCE

ROOM: RANGSIT 2-3

Chairperson:		Professor Dr.Suthep Suantai	
Co-Chairperson:		Associate Professor Dr.Worasait Suwannik	
Time	ID	Title	Speaker
08:40-09:00	A1_091_OF	TO STUDY: THE SIGNIFICANT FACTORS OF TOURISM PROMOTION WITH CLUSTERING METHODS	Wongpanya Nuankaew
09:00-09:20	A1_902_OA	GENERALIZED (ϕ, ψ) VECTOR COMPLEMENTARITY PROBLEM AND GENERALIZED (ϕ, ψ) VECTOR VARIATIONAL INEQUALITY PROBLEM WITH FUZZY MAPPINGS	Jiraprapa Munkong
09:20-09:40	A1_903_OA	TOWARDS CEILING DISTANCES AND A NEW CONTRACTIVITY ALONG WITH W-DISTANCES WITH THE EXISTENCE AND UNIQUENESS THEOREM OF FIXED CONCERNING SUCH DISTANCES	Teerawat Wongyat
09:40-10:00	A1_904_OA	THE SPLIT COMMON FIXED POINT PROBLEM FOR DEMICONTRACTIVE MAPPINGS AND APPLICATIONS	Adisak Hanjing
10:20-10:40	A1_905_OA	FURTHER GENERALIZED CONTRACTION MAPPINGS IN PARTIAL METRIC SPACES WITH BEST PROXIMITY POINT THEOREMS	Aphinat Ninsri
10:40-11:00	A1_906_OA	DISCUSSION ON RELATION-THEORETIC FOR JS-QUASI-CONTRACTIONS OF UNI/MULTI-DIMENSIONAL MAPPINGS WITH TRANSITIVITY	Kanokwan Sawangsup
11:00-12:00	A1_INV002	SPECIAL DISCUSSION ON RESEARCH STRATEGY IN MATHEMATICS THAILAND 4.0	Somyot Plubtieng Pairote Sattayatham Suthep Suantai Poom Kumam
Chairperson:		Associate Professor Dr.Poom Kumam	
Co-Chairperson:		Associate Professor Dr.Narin Petrot	
Time	ID	Title	Speaker
13:00-13:30	A1_INV001	ROLES OF COMPUTER IN MATHEMATICS	Thotsaporn Thanatipanonda
13:30-13:50	A1_907_OA	EXISTENCE RESULTS FOR NEW EXTENDED VECTOR VARIATIONAL-LIKE INEQUALITY	Boonyarit Ngeonkam
13:50-14:10	A1_908_OA	A MODIFIED S-ITERATION PROCESS FOR G-NONEXPANSIVE MAPPINGS IN BANACH SPACES WITH GRAPHS	Raweerote Suparatulatorn
14:10-14:30	A1_909_OA	KKT SUFFICIENCY OF GLOBAL OPTIMALITY IN NON-CONVEX OPTIMIZATION WITH TANGENTIALLY CONVEX INEQUALITY CONSTRAINTS	Nithirat Sisarat

Time	ID	Title	Speaker
14.40-15:00	A1_910_OA	EXISTENCE THEOREM OF GENERALIZED NONEXPANSIVE MULTIVALUED MAPPINGS ON BANACH SPACES	Nuttawut Bunlue
15:00-15:20	A1_911_OA	DISCUSSION OF HYBRID JS-CONTRACTIONS IN B-METRIC SPACES WITH APPLICATIONS TO THE EXISTENCE OF SOLUTION FOR NONLINEAR INTEGRAL EQUATIONS	Oratai Yamaod
15:20-15:40	A1_912_OA	SPLIT COMMON FIXED POINT AND NULL POINT PROBLEMS FOR DEMICONTRACTIVE OPERATORS IN HILBERT SPACES	Pachara Jailoka
15:40-16:00	A1_913_OA	AN INERTIAL FORWARD-BACKWARD-FORWARD PRIMAL-DUAL ALGORITHM FOR SOLVING COUPLED SYSTEM OF MONOTONE INCLUSION PROBLEMS	Kan Buranakorn
16:00-16:20	A1_914_OA	SOME φ -FIXED POINT RESULTS IN VARIOUS DISTANCE SPACES VIA φ -FIXED POINT THEOREM IN GENERALIZED METRIC SPACE	Pathaithep Kumrod
16:20-16:40	A1_915_OA	COINCIDENCE POINT, COMMON FIXED POINT, SUZUKI TYPE CONTRACTIONS	Warut Saksirikun
16:40-17:00	A1_916_OA	NEW GERNERALIZED HYPERSTABILITY RESULTS OF THE DRYGAS FUNCTIONAL EQUATION	Laddawan Aiemsomboon

SESSION B: PHYSICS / APPLIED PHYSICS

ROOM: KRUNGTHEP 3

Chairperson:		Professor Dr.Sukit Limpijumnong	
Co-Chairperson:		Associate Professor Dr.Jiraroj T-Thienprasert	
Time	ID	Title	Speaker
08:30-09:20	B1_INV001	HOW TO PREDICT NEW NANO-STRUCTURED MATERIALS WITH CONFIDENCE?	Yoshiyuki Kawazoe
09:20-09:40	B1_104_OA	A SECOND-QUANTIZATION APPROACH TO THE ANALYTICAL FARADAY EFFECT IN STRAINED GRAPHENE	Phusit Nualpijit
09:40-10:00	B1_156_OF	ACETONE SENSING PROPERTIES OF INTER-LINKED ZINC OXIDE TETRAPOD NETWORKS AND ZINC OXIDE NANOPOWDERS DEPEND ON TEMPERATURE	Wakul Bumrungsan
10:00-10:20	B1_065_OA	STUDY OF CORRELATION BETWEEN LIQUID PROPERTIES AND IMPACT ANGLE BY LIQUID DRIPPING MACHINE	Gunganist Kongklad
Chairperson:		Dr.Adisak Boonchun	
Co-Chairperson:		Assistant Professor Dr.Pakpoom Ruenchun	
10:30-10:50	B1_153_OF	PERFORMANCES OF GROWN CSI:TL SCINTILLATORS FOR GAMMA-RAY SPECTROSCOPY	Pathcharanan Tuanghirunwimol
10:50-11:10	B1_230_OF	INVESTIGATION OF NATURAL RADIOACTIVITY AND RADIOLOGICAL HAZARD ASSESSMENT IN SURFACE SOIL SAMPLES FROM RANONG PROVINCE (THAILAND)	Prasong Kessaratikoon
11:10-11:30	B1_235_OF	THE EFFECT OF NUMERICAL GRID SPACING AND COORDINATE SYSTEM TO THE ACCURACY OF TSUNAMI PREDICTIONS BASED ON THE SHALLOW-WATER WAVE MODEL	Pawin Sitsungnoen

SESSION C1: ANALYTICAL CHEMISTRY

ROOM: LADPRAO 3-4

Chairperson:		Associate Professor Dr.Proeschpich Kanatharana	
Co-Chairperson:		Associate Professor Dr.Orapin Chienthavorn	
Time	ID	Title	Speaker
08:30-09:00	C1_INV001	LOCAL WISDOM BASED GREEN (ANALYTICAL) SCIENCE AND TECHNOLOGY INITIATIVES	Kate Grudpan
09:00-09:30	C1_INV002	THE APPLICATION OF PROTEIN IDENTIFICATION ON HALAL PRODUCT TESTING	Vincent Lau Siang Lin
09:30-09:50	C1_248_OF	PAPER BASED SENSOR FOR DETERMINATION OF FORMALDEHYDE USING GOLD NANOPARTICLES MODIFIED WITH 4-AMINOPHENYL SULFONE	Arnupab Kritanusorn
09:50-10:10	C1_296_OA	PREPARATION AND CERTIFICATION OF A CERTIFIED REFERENCE MATERIAL OF AFLATOXINS (AFB1, AFB2, AFG1 AND AFG2) IN PEANUT BUTTER	Cheerapa Boonyakong
Chairperson:		Professor Dr.Kate Grudpan	
Co-Chairperson:		Professor Dr.Orawan Chailapakul	
10:30-11:00	C1_INV003	NOVEL SYSTEM FOR TRACE HERBICIDE ANALYSIS	Proeschpich Kanatharana
11:00-11:30	C1_INV004	MONOLITHIC MATERIAL FROM RESEARCH TO INNOVATION TO APPLICATION	Orapin Chienthavorn
11:30-11:50	C1_299_OF	PURITY ASSESSMENT OF CLENBUTEROL USING A MASS BALANCE METHOD	Pornhatai KanKaew
Chairperson:		Professor Dr.Kate Grudpan	
Co-Chairperson:		Associate Professor Dr.Pakawadee Sutthivaiyakit	
13:00-14:30	C1_INV005	PANEL DISCUSSION: WHY ALEXANDER VON HUMBOLDT FELLOWSHIPS?	Chetana Nagavajara Kittisak Prokati Wanchai De-Eknamkul
14:30-14:50	C1_INV006	NANOCONFINEMENT OF HYDRIDE MATERIALS INTO CARBON HOSTS FOR REVERSIBLE HYDROGEN STORAGE	Rapee Utke
14:50-15:10	C1_INV007	INSTABILITY OF FULLERENE INTERACTING WITH LIPID BILAYERS	Duangkamon Baowan
15:10-15:30	C1_INV008	ZERO-G EXPERIMENT: HOW AND WHY?	Nattaporn Chattham

SESSION C2: INORGANIC CHEMISTRY

ROOM: LADPRAO 1-2

Chairperson:		Professor Dr.Thawatchai Tuntulani	
Co-Chairperson:		Associate Professor Dr.Apsit Songsasen	
Time	ID	Title	Speaker
14:00-14:30	C2_INV001	ONE-POT FUNCTIONALIZATION OF METAL-ORGANIC FRAMEWORKS WITH COPPER(II) COMPLEX AND ITS ACTIVITY IN OXIDATION OF OLEFINS	Jonggol Tantirungrotechai
14:30-15:00	C2_INV002	Cu(II) AND Pd(II)-TRIAZOLYL COMPLEXES: EFFECTS OF COORDINATION AND LIGAND SUBSTITUENTS ON CATALYTIC ACTIVITIES	Preeyanuch Sangtrirutnugul
15:00-15:30	C2_INV003	DESIGN OF METAL-ORGANIC FRAMEWORKS FOR GAS SEPARATION VIA REDOX REACTIONS	Kanokwan Kongpatpanich
15:30-15:50	C2_283_OA	SELECTIVE COLORIMETRIC DETECTION OF CYANIDE AND FLUORIDE USING A NOVEL CARBAZOLE POSSESSING AZOBENZENE SENSOR	Jakkrit Tummachote

SESSION C3: ORGANIC & MEDICINAL CHEMISTRY

ROOM: KRUNGTHEP 1

Chairperson:		Assistant Professor Dr.Wanchai Pluempunapat	
Co-Chairperson:		Assistant Professor Dr.Yaowapa Sukpondma	
Time	ID	Title	Speaker
13:30-14:00	C3_INV001	NATURAL PRODUCTS RESEARCH TO COMMERCIAL USE	Ngampong Kongkathip
14:00-14:30	C3_INV002	NEW CHIRAL DERIVATIZING AGENTS WITH CONSTRAINED AROMATIC RESIDUE FOR NMR SHIFT DIFFERENCE METHOD	Tienthong Thongpanchang
14:30-14:50	C3_163_OF	DEPSIDES AND DEPSIDONES FROM LICHEN <i>Usnea baileyi</i> (Stirt.) Zahlbr.	Kieu Van Nguyen
15:20-15:40	C3_126_OA	STEREOSELECTIVE SYNTHESIS OF 2-ALKOXY-6-ARYL-3,7-BIOXABICYCLO[3.3.0]OCTANES	Nantaporn Surachaitanawat
15:40-16:00	C3_161_OF	MUKAIYAMA EPOXIDATION CATALYZED BY Fe(III) THIOSEMICARBAZONE COMPLEXES	Rungsaeng Na nakorn
16:00-16:20	C3_024_OF	FABRICATION OF PARTICLES FROM TEA EXTRACT FOR ANTICANCER ACTIVITY	Puttikorn Pukfukdee

SESSION C4: PHYSICAL & THEORETICAL CHEMISTRY

ROOM: HORVANG 2-3

Chairperson:		Professor Dr.Kritsana Sagarik	
Co-Chairperson:		Assistant Professor Dr.Jakkapan Sirijaraensre	
Time	ID	Title	Speaker
13:00-13:30	C4_INV001	CALCULATION OF EXCITED-STATE PROPERTIES BY TIME-DEPENDENT DENSITY FUNCTIONAL THEORY	Chanisorn Ngaojampa
13:30-13:50	C4_197_OF	INFLUENCE OF POPPING TEMPERATURE ON PORE SIZE OF POPPED RICE AND POPCORN	Lalita Konharn
13:50-14:10	C4_080_OA	DENSITY FUNCTIONAL STUDY OF SUPEROXIDE ADSORPTION ON METAL COMPLEX IN SUPEROXIDE DISMUTASE M-SOD (M= FE AND CU) FOR BIOMIMETIC MOLECULAR DESIGN	Saowapak Choomwattana
14:10-14:30	C4_185_OF	THEORETICAL STUDY ON THE PHOTOCHROMIC PROPERTIES OF (1,3,3-TRIMETHYL-5'-HYDROXY-6'FORMYL-INDOLINE-SPIRO2,2'-[2H]CHROMENE) BY DFT FUNCTIONALS	Nuttapong ithiapa
14:30-14:50	C4_210_OA	RATIONAL DESIGN OF ENOYL-ACP REDUCTASE INHIBITORS IN A SERIES OF 1-(BENZIMIDAZOL-1-YL)-3-(2,3-DIHYDRO-1H-INDEN-5-YLOXY) PROPAN-2-OL AS NOVEL ANTI-TUBERCULOSIS AGENTS	Bunrat Tharat

SESSION D: POLYMER & MATERIALS SCIENCE / NANOTECHNOLOGY

ROOM: KRUNGTHEP 4

Chairperson:		Associate Professor Dr.Naratip Vittayakorn	
Co-Chairperson:		Associate Professor Dr.Taweechai Amonsakchai	
Time	ID	Title	Speaker
08:30-09:00	D1_INV001	EFFECT OF Nd ₂ O ₃ ADDITIVES ON CRYSTALLIZATION, DIELECTRIC AND OPTICAL PROPERTIES OF Na ₂ O-BaO-Nb ₂ O ₃ -SiO ₂ GLASS-CERAMICS	Rungnapa Tipakontitikul
09:00-09:20	D1_056_OA	SEPARATION OF COMPONENTS IN FUSEL OIL BY PERVAPORATION USING MICRO TITANIA AND OPTIMIZED SILICA MEMBRANES	Arunee Nunplong
09:20-09:40	D1_058_OA	REMOVAL OF WATER FROM FUSEL OIL BY VAPOR PERMEATION USING CARBON MEMBRANES	Chare Yahomthong
09:40-10:00	D1_059_OA	INFLUENCE OF ORGANIC COMPOUNDS PROPERTIES ON THE VAPOR PERMEATION THROUGH CARBON MEMBRANES	Han Narong Prakobtham
10:00-10:20	D1_041_OA	CATALYTIC CONVERSION OF BIOMASS INTO VALUABLE CHEMICALS	Aritomo Yamaguchi
Chairperson:		Associate Professor Dr.Supon Ananta	
Co-Chairperson:		Associate Professor Dr.Naratip Vittayakorn	
10:30-11:00	D1_INV002	PHYSICAL CHARACTERIZATION OF ADVANCED MATERIALS FOR BIOSENSOR APPLICATIONS	Chanchana Thanachayanont
11:00-11:20	D1_070_OA	PREPARATION OF CARBON QUANTUM DOTS FROM SUCCINIC ACID AND GLYCEROL BY HYDROTHERMAL TECHNIQUE FOR HEAVY METAL DETECTION AND CELL IMAGING	Thitarat Prathumsuwan
11:20-11:40	D1_109_OA	CARBON DOTS FROM MALEIC ANHYDRIDE AND TETRAETHYLENEPENTAMINE VIA PYROLYSIS FOR SENSING AND IMAGING APPLICATIONS	Nichaphat Thongsai
11:40-12:00	D1_220_OF	ACTIVATED CARBON FROM POPPED RICE	Purichaya Nisawa-anutaraphan

Chairperson:		Associate Professor Dr.Taweechai Amonsakchai	
Co-Chairperson:		Associate Professor Dr.Naratip Vittayakorn	
Time	ID	Title	Speaker
13:00-13:30	D1_INV003	BIOMEDICAL POLYMERS: TOWARDS A SUSTAINABLE BIOECONOMY	Winita Punyodom
13:30-13:50	D1_196_OA	NEW TREND AND STRATEGY OF INNOVATION AND EDUCATION OF NATURAL RUBBER IN THAILAND	Wirasak Smitthipong
13:50-14:10	D1_119_OF	TENSILE PROPERTIES OF PINEAPPLE LEAF FIBER	Budsaraporn Surajarusarn
14:10-14:30	D1_013_OF	ELECTROSPINNING PARAMETER OPTIMIZATION FOR Pt-TiO ₂ /GRAPHENE COMPOSITE NANOFIBER PREPARATION FOR DIRECT ETHANOL FUEL CELL APPLICATION	Tawanchay Thuesombat
14:30-14:50	D1_222_OF	EFFECT OF TEMPERATURE ON MORPHOLOGICAL AND CHEMICAL CHANGES OF CARBON BLACK FROM ACETYLENE BLACK PROCESS	Pimchanok Laowtaweerungruang
14:50-15:10	D1_180_OF	HIGHLY DISPERSED GRAPHENE OXIDE/SILVER NANOPARTICLE (GO/AgNP) COMPOSITES IN ORGANIC SOLVENTS	Oraporn Wong-u-ra

SESSION E: BIOMEDICAL SCIENCE

ROOM: KRUNGTHEP 1

Chairperson:		Associate Professor Dr.Tuangporn Suthiphongchai	
Co-Chairperson:		Associate Professor Dr.Treetip Ratanavalachai	
Time	ID	Title	Speaker
09:00-09:30	E1_INV001	CAN BASIC RESEARCH IN THAILAND LEADS TO PARADIGM SHIFT IN MEDICINE AND HOW?	Apiwat Mutirangura
09:30-09:50	E1_184_OF	AN <i>IN VITRO</i> STUDY OF DENDRITIC CELL-BASED IMMUNOTHERAPY FOR CHOLANGIOCARCINOMA USING POOLED mRNA FROM CELL LINES	Janya Grainok
09:50-10:10	E1_064_OA	CLASSIFICATION OF CHOLANGIOCARCINOMA CELL LINES USING PHENOTYPIC DRUG RESPONSE AND SINGLE-CELL PROTEOMIC PROFILING	Patipark Kueanjinda
10:10-10:30	E1_202_OA	ELUCIDATION OF SECRETORY FACTORS IN MESENCHYMAL-HEMATOPOIETIC STEM CELLS INTERACTION IN HbE/BETA-THALASSEMIA	Mantana Paisan
Chairperson:		Associate Professor Dr. Panisadee Avirutnan	
Co-Chairperson:		Associate Professor Dr. ChanitraThuwajit	
10:50-11:20	E1_INV002	FIGHTING FOR LIFE : THE BATTLE BETWEEN DENGUE VIRUSES AND THE HUMAN HOST	Panisadee Avirutnan
11:20-11:40	E1_260_OF	DEVELOPMENT OF AN RNA REPORTER SYSTEM TO SIMULTANEOUSLY MONITOR DENV PROTEIN AND RNA SYNTHESSES	Natanan Laosillapacharoen
11:40-12:00	E1_269_OF	PRODUCTION AND CHARACTERIZATION OF HUMAN SINGLE-CHAIN VARIABLE FRAGMENT (HUSCFV) ANTIBODIES AGAINST DENGUE VIRUS	Petlada Yongpitakwattana

SESSION F: BIOCHEMISTRY / BIOTECHNOLOGY

ROOM: HORVANG 2-3

Chairperson:		Dr.Sittiruk Roytrakul	
Co-Chairperson:		Associate Professor Dr.Prachumporn Kongsaree	
Time	ID	Title	Speaker
10:00-10:30	F1_INV001	SPECIES DEPENDENT TOXICITY OF ANTIFOLATES	Sumalee Kamchonwongpaisan
10:30-11:00	F1_INV002	REGULATION OF GENE EXPRESSION IN HEPATITIS B VIRUS: FUNCTIONS OF CONSERVED RNA ELEMENTS AND NOVEL BIOMOLECULES FOR DEVELOPMENT OF ALTERNATIVE TREATMENTS	Nattanan T-Thienprasert
11:00-11:20	F1_199_OF	MOLECULAR CHARACTERIZATION OF NILE TILAPIA (OREOCHROMIS NILOTICUS) AROMATASE AND INHIBITOR IDENTIFICATION	Kittichai Sukprasong
11:20-11:40	F1_168_OA	MOLECULAR GENOTYPING OF <i>Vibrio vulnificus</i> ISOLATED FROM BROWN-MARBLED GROUPER (<i>Epinephelus fuscoguttatus</i>)	Atitaya Hoihuan
11:40-12:00	F1_047_OF	EFFECTS OF AERATION RATES ON GROWTH AND CAROTENOIDS PRODUCTION IN MICROALGAE <i>Chlorococcum humicola</i>	Phupairum Phuphaibul

SESSION G: AGRICULTURAL SCIENCE

ROOM: KRUNGTHEP 3

Chairperson:		Associate Professor Dr.Suchana Chavanich	
Co-Chairperson:		Professor Dr. Uthairat Na-Nakorn	
Time	ID	Title	Speaker
13:30-14:00	G1_INV001	RAPID INDUCTION OF BIODIVERSITY: DISCOVERY, CONSERVATION, AND VARIETAL DEVELOPMENT	Apichart Vanavichit
14:00-14:20	G1_035_OF	ENHANCED PERFORMANCE OF AERATION-ASSISTED CROSSFLOW FILTRATION UNIT FOR AQUACULTURE SOLIDS REMOVAL	Korrakot Aumnongpho
14:20-14:40	G1_069_OF	AMMONIA REMOVAL, NITRATE ACCUMULATION AND OXYGEN CONSUMPTION RATES OF BIOFLOC FROM RECIRCULATING AQUACULTURE SYSTEM WITH TWO STAGES ACCLIMATION	Suta Kunwong
14:40-15:00	G1_133_OF	CRYOPRESERVATION OF SPATHOGLOTTIS PLICATA BLUME POLLINIA USING D CRYO- PLATE	Hoeun Darann
Chairperson:		Associate Professor Dr.Suchana Chavanich	
Co-Chairperson:		Professor Dr. Uthairat Na-Nakorn	
15:10-15:30	G1_226_OF	CADMIUM REMEDIATION IN A CONTAMINATED PADDY SOIL FROM MAE SOT DISTRICT, TAK PROVINCE BY EX-SITU WASING TECHNIQUE	Piyapas Sricharoenvech
15:30-15:50	G1_259_OF	DISTRIBUTION AND RELEASE POTENTIAL OF ARSENIC IN AGRICULTURAL AND NON-AGRICULTURAL SOILS NEAR A GOLD MINE IN LOEI PROVINCE	Mayuree Namjunda
15:50-16:10	G1_301_OA	GENETIC DIVERSITY OF RICE BLAST ISOLATES IN VIETNAM BASED ON RAPD, SRAP AND ISSR MARKERS	Quoc Bao Nguyen

SESSION H: BIOLOGY / BIODIVERSITY

ROOM: HORVANG 2-3

Chairperson:		Associate Professor Dr.Vasakorn Bullangpoti	
Co-Chairperson:		Dr.Nutchaya Kumrungsee	
Time	ID	Title	Speaker
08:30-09:00	H1_INV001	OLFACTORY RESPONSES OF PARASITIC NATURAL ENEMIES TO HOST INFESTED PLANT VOLATILES	Yoichi Kainoh
09:00-09:20	H1_114_OF	HEAVY METAL POLLUTION IN LOCAL FISH FAUNA: IMPACT ON CONSUMER HEALTH	Indrani Dubey
09:20-09:40	H1_265_OF	BIODIVERSITY AND BIO-INDICATOR OF FOLIICOLOUS LICHEN OF GENUS <i>Porina</i> Mull. Arg. (PORINACEAE, OSTROPALES) IN THAILAND	Khwanruan Naksuwankul

SESSION J: ENERGY / ENVIRONMENTAL& EARTH SCIENCE

ROOM: LADPRAO 1-2

Chairperson:		Professor Dr.Montri Choowong	
Co-Chairperson:		Assistant Professor Dr.Passakorn Pananont	
Time	ID	Title	Speaker
08:30-09:00	J1_INV001	SYNCHROTRON X-RAY TECHNIQUES FOR GEOMATERIAL CHARACTERIZATION	Waruntorn Kanitpanyacharoen
09:00-09:20	J1_057_OF	FABRICATION OF NiO-YTTRIA STABILIZED ZIRCONIA ANODE AND THIN FILM ELECTROLYTE USING POWDER IINJECTION MOLDING AND ELECTROPHORETIC DEPOSITION TECHNIQUES	Sirima Chauoon
09:20-09:40	J1_062_OF	ASSESSMENT THE VULNERABILITY DUE TO THE DROUGHT IMPACT IN MEKONG DELTA BELONG VIET NAM	Bui Viet Hung
09:40-10:00	J1_100_OA	CARBON QUANTUM DOTS FROM PLANT POLYSACCHARIDES: PHOTOLUMINESCENT PROPERTIES AND ITS NON-HARMFUL ENVIRONMENTAL ENGINEERING APPLICATIONS	Connie Sinoy
10:00-10:20	J1_138_OF	CONSTRUCTING THE 3-D RESISTIVITY MODEL OF THE THA THUNG NA DAM KANCHANABURI PROVINCE FOR SEEPAGE DETECTION	Sarunya Chomchaiya
10:30-10:50	J1_228_OA	COMMUNITY GROUNDWATER SUPPLY ACHIEVE AS SUSTAINABLE RELIEF DROUGHT CRISIS WITH ACCOMPLISHED RESISTIVITY SCANNING TECHNIQUE IN FOUR DISTRICTS OF KANCHANABURI PROVINCE	Desell Suanburi
10:50-11:10	J1_158_OF	POSSIBLE ANCIENT TROPICAL STORM LAYERS FROM PRACHUAP KHIRI KHAN COASTAL AREA, THE GULF OF THAILAND	Stapana Kongsen
11:10-11:30	J1_229_OF	CARBON STOCK OF TREE IN RONGKHA FOREST IN UBONRATCHANANI UNIVERSITY	Tassanee Jiaphasuanan
11:30-11:50	J1_242_OF	CRUSTAL STRUCTURE BENEATH NORTHERN THAILAND FROM AZIMUTHAL TELE-SEISMIC RECEIVER FUNCTION STUDY	Tosapol Pengsai

Time	ID	Title	Speaker
13:00-13:20	J1_293_OF	COMPUTER PROGRAM DEVELOPMENT FOR PRODUCTIVITY INDEX PREDICTION USING MULTIPLE LINEAR REGRESSION METHOD OF MAE-SOON OIL FIELD, FANG BASIN	Tatiya Weerawit
13:20-13:40	J1_017_OF	SIZE DISTRIBUTION OF PARTICULATE MATTERS DURING HAZE PERIODS IN PHAYAO PROVINCE	Jaturaporn Pooltawee

SESSION K: SCIENCE EDUCATION & COMMUNICATION

ROOM: RANGSIT 1

Chairperson:		Associate Professor Dr.Pakorn Opaprakasit	
Co-Chairperson:		Naree Wongsirojkul	
Time	ID	Title	Speaker
08:40-09:20	K1_INV001	เปลี่ยนแปลงการศึกษาด้วย DIGITAL TRANSFORMATION: แนวทางความสำเร็จของสถาบันการศึกษายุคใหม่	Yuen Poovarawan
09:20-10:20	K1_INV002	INFOGRAPHICS FOR ASTRONOMY EDUCATION	Sakanan Anantasook
10:30-10:55	K1_079_OA	PRE-SERVICE BIOLOGY TEACHERS' UNDERSTANDING AND REASONING ABOUT GMO ISSUES	Pongprapan Pongsophon
11:00-12:00	K1_INV003	เทคนิคการจัดกิจกรรมสะเต็มสู่ห้องเรียนในศตวรรษที่ 21	Kamonthin Phrompraphai Ong-at Phrompraphai
Chairperson:		Assistant Professor Dr.Woranut Koetsinchai	
Co-Chairperson:		Naree Wongsirojkul	
13:00-13:40	K1_INV004	HOW TO INTEGRATE S-T-E-M IN STEM PROJECTS	Suteera Prasertsan
13:40-14:40	K1_INV005	การออกแบบกิจกรรมการเรียนรู้ตามแนวสะเต็มศึกษา	Chuanchuen Malila
14:40-15:40	K1_INV006	STEM EDUCATION ในชั้นเรียนกับการเชื่อมโยงสู่ชีวิตประจำวันอย่างยั่งยืน	Wisut Khongkul

PROGRAM FOR SPECIAL SESSIONS, MEETINGS, FORUMS, INVITED LECTURES AND ORAL PRESENTATIONS

2nd December 2016

SPECIAL SESSION

ROOM: VIBHAVADEE BALLROOM

Time	ID	Title	Speaker
10:00-12:00	SP6_001	DIALOGUE ON: FROM MANGOSTEEN RESEARCH IN THE LABORATORY TO BALANCED IMMUNITY FOR HEALTH IN THE WORLD MARKET	Pichaet Wiriyaichitra <i>Asian Phytoceuticals PCL.</i> Ampai Panthong <i>Asian Phytoceuticals PCL.</i> Souwalak Phongpaichit, <i>Prince of Songkla University</i> Wilawan Mahabusarakam <i>Prince of Songkla University</i> Siriwan Ong-chai <i>Chiang Mai University</i> Sirithip Wiriyaichitra <i>Asian Phytoceuticals PCL.</i>

SESSION I: FOOD SCIENCE

ROOM: KRUNGTHEP 4

Chairperson:		Professor Dr.Onanong Naivikul	
Co-Chairperson:		Associate Professor Dr.Saiwarun Chaiwanichsiri	
Time	ID	Title	Speaker
08.30-08.50	I1_095_OA	MODIFICATION OF SOY PROTEIN FILM USING PHENOLIC COMPOUNDS	Teerapat Tangsomboon
08:50-09:10	I1_089_OA	EFFECT OF OIL TYPES ON THE FORMATION OF CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS IN GRILLED CHICKEN BREASTS	Wanwisa Wongmaneepratip
09:10-09:40	I1_INV001	KNOWLEDGE OF THE FOOD TOWARDS INNOVATATION FOR SUSTAINABLE FUTURE	Vivek Dhawan
09:40-10:10	I1_INV002	INNOVATIVE RICE RESEARCH FOR TECHNOLOGY TRANSFER	Onanong Naivikul
10:30-11:00	I1_INV003	"RESEARCH TO BIZ" COLLABORATIVE UNIVERSITY RESEARCH	Bhundit Innawong
11:00-11:20	I1_090_OA	EFFECT OF SMOKING FROM THAI WOODS (EUCALYPTUS AND THAI COPPERPOD) ON QUALITY OF SMOKED SAUSAGES	Jak-a-nan Malarut
11:20-11.40	I1_095_OA	REDUCTION OF POLYCYCLIC AROMATIC HYDROCARBONS IN LIQUID MODEL SYSTEM USING UV-C IRRADIATION AND THEIR APPLICATION IN SAUSAGE	Rungthiwa Phuathphong