

Program Overviewz
The 9th RMUTP International Conference on Science, Technology and Innovation for Sustainable Development:
Challenges Towards the Digital Society
Thursday June 21, 2018 - Friday June 22, 2018 at The Sukosol Hotel, Bangkok

Time	Thursday June 21	Time	Friday June 22
08.00-09.00	Registration		
09.00-09.30	Opening Ceremony by His Excellency Air Chief Marshal Dr. Prajin Juntong; Deputy Prime Minister cum Minister of Justice	09:00-10:00	Oral Presentation & Poster Presentation
09.30-10.00	Keynote speaker I: Nick Guang Lu CTO – Industry Solutions Huawei Southern-East Asia Enterprise Business Group Topic: How Innovation Disrupt Education?		
10.00-10.15	Coffee Break	10.00-10.20	Coffee Break
10.15-11.00	Keynote speaker II: Dr. Thomas J Roulet King's College, London, UK Topic: Digitalization and the New Ways of Working	10.20-12.00	Oral Presentation & Poster Presentation
11.00-11.45	Keynote speaker III: Prof. Paresh Narayan Deakin University, Australia Co-Editor, Economic Modelling: The International Journal of Theoretical and Applied Papers on Economic Modelling Topic: Marketing Capability and Corporate Innovation		
11.45-13.00	Lunch Break	12:00-13:00	Lunch Break
13.00-14.00	Oral Presentation & Poster Presentation	13:00-14:00	Oral Presentation & Poster Presentation
14.00-14.20	Coffee Break	14.00-14.20	Coffee Break
14.20-17.40	Poster Presentation	14:20-16:00	Poster Presentation
18.00- 20.00	Welcome Reception	16:00	Research/Posters Award Presentation, Closing Celebration and Welcome to 2019

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11.45-13.00	Lunch Break				
Time/Place	Kingkamol	Duangkamol	Kamolruedi	Kornkamol 1	2 nd Floor
13.00-17.40	Session 1 Sustainability Science Chair: Dr.Noppakun Sanpo Co-Chair: Dr.Apisit Kositchaiyong	Session 2 Innovative Technology and Sustainability Engineering Chair: Dr.Amporn Poyai Co-Chair: Dr.Pinit Kidkhunthod	Session 3 Textiles and Clothing Sustainability Chair: Assoc. Prof. Dr. Chi-wai Kan Co-Chair: Assoc. Prof. Dr. Sheila Shahidi	Session 4 Economic modeling Chair: Prof. Dr. Paresh Narayan	Poster Session
13.00-13.20	OS001 DEVELOPMENT OF STRUCTURAL HEALTH MONITORING SYSTEM BY USING PIEZOELECTRIC SENSORS Sumit Jirungnimitsakul	Invite speaker 1 Dr.Amporn Poyai	Invite speaker 1 “NON-AQUEOUS DYEING OF COTTON AND WOOL FABRICS” Assoc. Prof. Dr. Chi-wai Kan		

Time/Place	Kingkamol	Duangkamol	Kamolruedi	Kornkamol 1	2 nd Floor
13.20-13.40	OS002 GRAIN SIZE EFFECT ON STRAIN CHARACTERISTIC IN BaTiO ₃ CERAMICS Narit Funsueb				Economic Modelling Poster Session Innovative Technology and Sustainability Engineering, Textiles and Clothing Sustainability, financial markets and economic growth
13.40-14.00	OS003 DETERMINING THE CONCENTRATION OF SOLUBLE ETHYLENE IN WATER IMMERSION PLANT USING ACIDIFIED POTASSIUM MANGANATE METHOD Wilailack Chayaprasert	OI001 EFFECT OF DIFFERENT TYPES OF WASHES ON THE FABRIC STRENGTH OF DENIM Hina Gul			
14.00-14.20	Coffee Break				
14.20-14.40	OS004 A NOVEL SACHA INCHI (Plukenetia volubilis L.) SHELL AS A MODIFIED-POROUS ACTIVATED CARBON PRODUCT Patsapon Silasalaisopisth	OI002 RESISTIVE SENSOR FOR VOC DETECTION Maitree Thawornsin	OT001 STUDY ON LOW TEMPERATURE DYEING OF ULTRASONICALLY TREATED WOOL Qing Li		
14.40-15.00	OS005 BIOELECTRICITY PRODUCTION FROM RICE NOODLE WASTEWATER USING PLANT MICROBIAL FUEL CELL (PMFC) Wanida Potawat	OI003 MATCHING IMPEDANCES LARGE SCALE FRESNEL EQUATION CALCULATION Naphat albutt	OT002 GLOBAL SUSTAINABLE APPROACH TO MINIMIZE COST AND IMPROVE PRINTING PARAMETERS OF REACTIVE AND DISPERSE DYES BY USING MODIFIED THICKENER Shrirang k. Chinta		
15.00-15.20	OS006 THE INVESTIGATION OF DIELECTRIC BARRIERS DISCHARGE PLASMA JET (DBDJ) FOR BACTERICIDAL IN WOUND HEALING Pipath Poramapijitwat	OI004 MULTIPLE REFLECTIONS MODELING FOR MULTI-LAYER OPTICAL STRUCTURES Suejit Pechprasarn	OT003 DESIGN AND DEVELOPMENT OF ELECTRO-CONDUCTIVE RECTANGULAR TEXTILE ANTENNA USING POLYPROPYLENE FABRIC S. Gangopadhyay		

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15.20-15.40	OS007 A LOW PRESSURE PLASMA TREATMENT FOR STERILITATION AND QUALITY IMPROVEMENT OF RICE FLOUR Kantamard Lamasai	OI005 OPTICAL DEVICE ADAPTED TO SMARTPHONE FOR DIRECT IMAGING RETINAL BLOOD VESSELS Naphat albutt	OT004 A STUDY ON LOW STRESS MECHANICAL PROPERTIES OF DENIM FABRIC FOR HAND EVALUATION P.O. Laddha	Economic Modelling	Poster Presentation Innovative Technology and Sustainability Engineering, Textiles and Clothing Sustainability, financial markets and economic growth
15.40-16.00	OS008 EFFECT OF Fe ³⁺ ON BaTiO ₃ PEROVSKITE MAGNETIC PROPERTIES Navapun Nanchaisin	OI006 PARALLEL COMPUTING SOFTWARE DESIGN FOR LARGE SCALE ELECTROMAGNETIC SIMULATION Nattha Pensupa	OT005 STUDIES ON NATURAL AND SYNTHETIC ANTIMICROBIAL FINISHING OF TEXTILES Arun K Patra		
16.00-16.20	OS009 MAGNETIC PROPERTIES IN Ba ₂ FeMoO ₆ DOUBLE PEROVSKITES PREPARED BY SOLID STATE METHOD Vanussanun Aitviriyaphan	OI007 SURFACE PLASMON RESONANCE ANALYSIS USING TRANSMISSION LINE MODEL Naphat albutt			
16.20-16.40	OS010 CORRELATION AND PATH COEFFICIENT FOR ECONOMIC TRAITS OF FRUIT MULBERRY (Morus sp) BASED ON CRITERIA MULBERRY SELECTION Sujaree Nonthakod	OI008 FLUORESCENCE DETECTION OF HYDRAZINE HYDRATE USING CARBON NANODOTS SYNTHESIZED FROM MANDARIN RIND Naphat albutt			
16.40-17.00	OS011 AMPEROMETRIC BIOSENSORS USING DIFFERENT ALCOHOL OXIDASES Manatsapon Tipmanee	OI009 BIOSENSOR IN FOOD TECHNOLOGY Naphat albutt			
17.00-17.20	OS012 COMPARISON OF INDUSTRIAL MICROWAVE DRYING AND FLUIDIZED BED DRYING TECHNIQUES ON THE QUALITY OF JASMINE INSTANT RICE Patsakul Phukasmas	OI010 FOOD WASTE UTILISATION: CASE STUDY IN THAILAND Naphat albutt			
17.20-17.40	OS017 INVESTIGATION OF MAGNETIC PROPERTIES FOR Ca ₂ FeMoO ₆ DOUBLE PEROVSKITES Worapon Ruangthong	OI017 THE EFFECT OF FUNCTIONALIZED GRAPHENE OXIDE ON ION CONDUCTIVITY AND PERMEABILITY OF VANADIUM REDOX FLOW BATTERIES MEMBRANE BASED ON SULFONATED POLY(ETHER ETHER KETONE) COMPOSITE Narumon Seeponkai			
18.00-20.00	Welcome Reception				

Friday June 22

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09.00-12.00	Session 1 Sustainability Science Chair: Assoc. Prof. Dr.Suejit Co-Chair: Dr. Noppakun Sanpo	Session 2 Sustainability Science and Innovative Technology and Sustainability Engineering Chair: Dr.Pinit Kidkhunthod Co-Chair: Dr.Anurat Wisitsoraat	Session 3 Innovative Technology and Sustainability Engineering Chair: Assoc. Prof. Dr. Chi-wai Kan Co-Chair: Assoc. Prof. Dr. Sheila Shahidi	Economic Modelling	Poster Session Sustainability Science
09.00-09.20	Invite speaker 1 Dr.Pinit Kidkhunthod	Invite speaker 2 Dr.Anurat Wisitsoraat	OT006 UP CYCLING FOR PRODUCT DESIGN OF JEANS WASTES WITH AN ECONOMIC AND ENVIRONMENTAL APPROACH Zahra Ahmadi		
09.20-09.40			OT007 APPLICATION OF LASER TREATMENT FOR IMPOROVING THE DYE AND CHEMICAL ADSORPTION ON POLYESTER FABRIC Sheila Shahidi		
09.40-10.00	OS013 PREPARATION OF Al-5Ti-1B MASTER ALLOY AND ITS INFLUENCE ON MECHANICAL PROPERTIES OF A 356 ALLOY Thee Chowwanonthapunya	OI011 SYNTHESIS AND CHARACTERISATIONS OF Y-DOPED BACEO3 CERAMIC FOR USE AS SOLID ELECTROLYTE IN SOLID OXIDE FUEL CELL Wiset Somkhuan	OT008 IR AND UV PROTECTION FUNTION OF WOVEN FABRICS Polona Dobnik Dubrovski		
10.00-10.20	Coffee Break				
10.20-10.40	OS014 COMPARISON OF CONVENTIONAL AND ULTRASOUND-ASSISTED EXTRACTION TECHNIQUES FOR EXTRACTION OF PHENOLIC COMPOUNDS FROM COCONUT HUSK FIBER Attapon Nitiwattananon	OI014 COMPARISON OF IEEE 802.11N AND IEEE 802.11AC WIRELESS TECHNOLOGY PERFORMANCES ON 2.4GHZ AND 5GHZ FREQUENCIES Kittipoom Intaraauksorn	OT009 UV PROTECTION AND ANTIBACTERIAL PROPERTIES OF NATURAL DYED COTTON WITH SAFRAN, CURCUMA AND CINNAMON Sheila Shahidi		

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10.40-11.00	OS015 EFFECT OF LATEX RUBBER AND RUBBER POWDER AS AN ADMIXTURE ON BENDING STRENGTH OF CEMENT MORTARS Santi Rattanaveeranon	OI015 WEATHER REALATED-HEAT ILLNESS EVENT OVER CHIANGMAI USING AUTOMATIC WEATHER STATION OBSERVED DATA Parwapath Phunthirawuthi	OT010 A STUDY OF SUITABILITY OF BAMBOO DENDROCALMUS ASPER PULP APPLICATION AS FILLER MATERIAL IN SANITARY PAD MAKING Alice Waithaka	Economic Modelling	Poster Session Sustainability Science
11.00-11.20	OS016 EFFECTS OF INITIAL MOISTURE CONTENT, INFRARED TEMPERATURE AND PUFFING TIME ON QUALITY OF PUFFED PORK RINDS IN A CONTINUOUS INFRARED-MICROWAVE OVEN Boonjira Bunlangpattama		OT011 APPLICATION OF MICROENCAPSULATED NATURAL ESSENCES OILS IN THE DEVELOPMENT OF FUNCTIONALIZED SUSTAINABLE CLOTHING Nuno José Ramos Belino		
11.20-11.40	Invite speaker 2 Assoc. Prof. Dr. Somsak Dangtip				
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