

Oral presentation: Session I

Date: 27 February 2020; Venue: 10th floor, KX Building

Time/Venue	X01 - X02	X01AB
13.30 - 13.50	<p><b>OPS-01-1</b> EVALUATION OF HEAT TRANSFER CHARACTERISTICS OF A COOLING SYSTEM FOR LITHIUM-ION BATTERIES UNDER FORCED CONVECTION HEAT TRANSFER USING PHASE CHANGE MATERIALS WITH HIGH THERMAL CONDUCTIVITY <i>Daisuke Kobayashi, Ryo Suyama and Naoki Ono</i></p>	<p><b>OPS-05-1</b> IDENTIFICATION OF ACETORBACTOR TROPICALIS FOR MALIC ACID PRODUCTION <i>Huong Duong, Khanok Ratanakhanokchai, Chakrit Tachaapaikoon, Rattiya Weanukul and Patthra Pason</i></p>
13.50 - 14.10	<p><b>OPS-01-2</b> OPTIMIZATION STRATEGY FOR HIGH-EFFICIENCY LARGE-SCALE DIRECT COUPLED PHOTOVOLTAIC-ELECTROLYZER SYSTEM BASED ON EXPERIMENT DATA <i>Tuyen Nguyen Duc</i></p>	<p><b>OPS-05-2</b> PHYSIOCHEMICAL PROPERTIES AND CHEMICAL STRUCTURES OF DRAGON FRUIT PEEL PECTIN EXTRACTED BY CONVENTIONAL AND ULTRASOUND ASSISTED EXTRACTION METHODS <i>Man Van Phan and Huu Hanh Pham Thi</i></p>
14.10 - 14.30	<p><b>OPS-01-3</b> WELDING DEPOSITION OF SS400 LOW CARBON STEEL USING AUTOMATIC GAS METAL ARC WELDING <i>Ekkarat Soonsun, Jongkol Srithorn and Isaratat Phung-On</i></p>	<p><b>OPS-05-3</b> NATURAL ISOLATED HONEY YEASTS FOR AROMA AND ACID PRODUCTION <i>Chayaphatra Sooklim, Nitnipa Soontorngun and Orawan Duangphakdee</i></p>
14.30 - 14.50	<p><b>OPS-01-4</b> MODIFIED ITERATIVE CLOSEST POINT MATCHING FOR 2D LIDAR LASER DATA <i>Linh Tao, Tam Bui and Toshio Ito</i></p>	<p><b>OPS-05-4</b> YEAST MODEL OF OXIDATIVE STRESS RESPONSE AND AGING AND POTENTIAL OF RICE-DERIVED FLAVONOIDS <i>Hira Zahoor and Nitnipa Soontorngun</i></p>
14.50 - 15.40	Coffee Break and Poster Presentation session (Venue: 7th - 8th floor)	
15.40 - 16.00	<p><b>OPS-01-5</b> A NOVEL METHOD TO SIMULATE THE FIVE-PARAMETER MODEL FOR PV PANELS <i>Tuyen Nguyen Duc, Huy Nguyen Duc and Thinh Le Viet</i></p>	<p><b>OPS-05-5</b> IN VITRO SCREENING OF YEAST STRAINS WITH STRESS RESISTNCE AND PROBIOTIC PROPERTIES FROM HONEY <i>Farah Zahoor and Nitnipa Soontorngun</i></p>
16.00 - 16.20	<p><b>OPS-01-6</b> INTREGRATING ROS WITH V-REP SIMULATOR FOR DEVELOPMENT REAL-TIME DYNAMIC CONTROL MOBILE ROBOT <i>Nattawat Pinrath and Nobuto Matsuhira</i></p>	<p><b>OPS-05-6</b> PRODUCTION CELLULASE FREE XYLANASE ENZYME AND XYLOOLIGOSACCHARIDES (XOS) FROM AGRICULTURAL RESIDUES BY BACILLUS FIRMUS K-1 <i>Niendy Virnanda Fatmawati, Patthra Pason and Khanok Ratanakhanokchai</i></p>
16.20 - 16.40	<p><b>OPS-01-7</b> WIND ENERGY POTENTIAL IN DIFFERENT WIND REGIMES OF THE GULF OF THAILAND <i>Bikash Devkota, Kasemsan Manomaiphiboon and Hoang Thi Trang</i></p>	<p><b>OPS-05-7</b> MODELING OF PNEUMATIC ARTIFICIAL MUSCLE <i>Thuy-Nguyen Vu, Quy-Thinh Dao and Shin-ichiroh Yamamoto</i></p>
16.40 - 17.00	<p><b>OPS-01-8</b> THE CHOICE AND THE DEFINITION OF THE FOOD SERVICES FROM THE PERCEPTION OF THE OLDER ADULTS, WHO LIVE ALONE IN THE TOKYO METROPOLITAN <i>Apirom Kongkanan</i></p>	<p><b>OPS-05-8</b> EFFECTIVE FEATURES FOR PLANT AND MAMMAL PRECURSOR MIRNAS IDENTIFICATION MODELS <i>Songtham Anuntakarun, Warin Wattanapornprom and Supatcha Lertampaiporn</i></p>
17.00 - 17.20	<p><b>OPS-01-9</b> APPLICATION OF ANOXIC/OXIC MOVING BED BIOFILM REACTOR FOR TREATMENT OF HIGH AMMONIA CONTENT SWINE WASTEWATER <i>Tran Tien Khoi, Nguyen Huu Dat and Nguyen Nhat Huy</i></p>	<p><b>OPS-05-9</b> EFFECT OF ATZ NANOPARTICLES ON COLLETOTRICHUM GLOEOSPORIOIDES GROWTH AND CHILI SEED QUALITY <i>Aqsa Ahmad, Kanlaya Sripong, Siriluk Chiarakorn, Apiradee Uthairatanakij and Pongphen Jitareerat</i></p>

Oral presentation: Session II

Date: 28 February 2020; Venue: 10th floor, KX Building

Time/Venue	X01 - X02	X01AB
09.00 - 09.20	<p><b>OPS-02-1</b> IMPLEMENTATION OF SYLGARD 184 FOR POWDERED BASED DIELECTRIC ELASTOMER <i>Ardi Wiranata, Ohashi Keiya and Shingo Maeda</i></p>	<p><b>OPS-04-1</b> BRIDGING PHYSICAL AND DIGITAL ENTITY: CREATING INTERACTION MODEL USING BUILDING INFORMATION MODELING AND VIRTUAL REALITY <i>Fauzan Alfi Agirachman and Michihiko Shinozaki</i></p>
09.20 - 09.40	<p><b>OPS-02-2</b> SIMPLIFIED CATALYTIC COMBUSTION MECHANISMS FOR BUTANE-AIR MIXTURE ON PLATINUM SURFACE <i>Pattarin Supanivatin and Jakrapop Wongwiwat</i></p>	<p><b>OPS-04-2</b> FACTORS INFLUENCING SCHOOL TRAVEL MODE CHOICE IN THAILAND <i>Chinnakrit Banyong and Sajjakaj Jomnonkwao</i></p>
09.40 - 10.00	<p><b>OPS-02-3</b> IMPROVE THE BACTERIAL CELLULOSE FERMENTATION WITH PINEAPPLE FRUIT WASTE MEDIUM BY <i>Acetobacter xylinum</i> <i>Tuong An Tran Thi, Dinh Quan Nguyen, Xuan Hung Pham, Cam Giang Ngo Thi, Boi An Tran, Long Hoang Nguyen and Phong Hoang</i></p>	<p><b>OPS-04-3</b> BRIDGING THE COMMUNITY RESILIENCE: A LESSON FROM EDUCATION FOR DISASTER RISK REDUCTION ON MERAPI VOLCANO COMMUNITY IN YOGYAKARTA, INDONESIA <i>Yosi S Mutiarni and Hitoshi Nakamura</i></p>
10.00 - 10.20	<p><b>OPS-02-4</b> BIOETHANOL PRODUCTION FROM <i>Acacia auriculiformis</i> SAWDUST BY SSF PROCESS USING COMBINATION OF <i>Saccharomyces cerevisiae</i> and <i>Pichia</i> sp. <i>Dinh Quan Nguyen, Tuong An Tran Thi, Minh Thien Nguyen, Anh Kiet Vo Nguyen, Minh Anh Nguyen Thi and Thao Hien Le</i></p>	<p><b>OPS-04-4</b> JAPANESE RECYCLED SODA-LIME GLASS: POTENTIAL USE AS PARTIAL REPLACEMENT OF FINE AGGREGATE IN CONCRETE <i>Ludmila Soares Carneiro, Takumi Ogasawara and Takeshi Iyoda</i></p>
10.20 - 11.00	Coffee Break and Poster Presentation session (Venue: 7th - 8th floor)	
11.00 - 11.20	<p><b>OPS-03-1</b> SHORT TERM LOAD FORECASTING FOR ZERO ENERGY BUILDINGS USING A DEEP LEARNING LSTM MODEL FOR MULTIVARIATE TIME SERIES <i>Abraham Kaligambe and Goro Fujita</i></p>	<p><b>OPS-04-5</b> EFFECT OF REPLACEMENT OF RIVER SAND BY FINE EXPANDED CLAY AGGREGATE UNDER SATURATED-SURFACE-DRY CONDITION ON COMPRESSIVE STRENGTH OF HARDENED CONCRETE <i>Huynh Sang Le, Tran Dang Khoa Nguyen, Nguyen Ngoc Han Dinh, Thanh Dat Cao, Quoc Hoang Vu and Phuong Trinh Bui</i></p>
11.20 - 11.40	<p><b>OPS-03-2</b> POWER DISSIPATION ANALYSIS OF THE HOTSPOT CELL IN THE PHOTOVOLTAIC MODULE <i>Jirada Gosumbonggot and Goro Fujita</i></p>	<p><b>OPS-06-1</b> BLENDED-BASED LEARNING IMPLEMENTATION IN ENGINEERING CLASSROOM <i>Chitapong Wechtaisong, Veerin Artharns and Somjin Phiakoksong</i></p>
11.40 - 12.00	<p><b>OPS-03-3</b> EMOTION SYNCHRONIZATION METHOD FOR ROBOT FACIAL EXPRESSION <i>Yushun Kajihara, Peeraya Sripian and Midori Sugaya</i></p>	<p><b>OPS-07-1</b> EXPLORATION OF GEOTHERMAL SYSTEMS WITH 3D MODELING, POTENTIAL IN VIETNAM <i>Trung Phi Hoang Quang and Ngoc Thai Ba</i></p>
12.00 - 12.20		<p><b>OPS-07-2</b> THE OPTIMIZATION OF TRANSPORTATION COSTS IN GREEN VEHICLE ROUTING PROBLEM WITH SOFT TIME WINDOWS <i>Kanokporn Boonjubut and Hiroshi Hasegawa</i></p>
12.20 - 12.40		<p><b>OPS-07-3</b> AN APPROXIMATION OF 18F-FDOPA DIFFUSION IN THE DIAGNOSIS OF PARKINSON'S DISEASE <i>Printaporn Sanguansuttigul and Teerapol Saleewong</i></p>