

PROGRAM

**Fourth International Conference on
Science, Engineering & Environment**



SEE-2018

12-14 November 2018

Meitetsu New Grand Hotel, Nagoya, Japan



SEE-Nagoya 2018– The Fourth International Conference on Science, Engineering & Environment, Nagoya city, Japan, Nov.12-14, 2018.

Welcome Participants

Welcome to the SEE-Nagoya 2018 - The Fourth International Conference on Science, Engineering & Environment, Nagoya city, Japan, Nov.12-14, 2018, organized by the Mie University Research Center for Environmental Load Reduction, The GEOMATE International Society, Useful Plant Spread Society, Glorious International, AOI Engineering, HOJUN, JCK, CosmoWinds and Beppu Construction, Japan.

We would like to thank you for your participation, especially the authors who have submitted interesting and important papers with most of them here to share their valuable experience with fellow participants. We appreciate the contribution of the session chairmen, the conference advisors and all those who have helped in one way or another to make this conference a success.

The Secretariat desk has been set up to service you so that you can participate actively in the deliberations. Do contact any of the secretariat staff for any assistance that you may require during these three days.

Please wear your name badge at all times during the conference and at the associated events as it will create a friendlier atmosphere where fellow participants can address you by name. This will also serve as an identification for your admission to the conference activities.

Kindly identify all materials and documentation handed to you, with your name, so that we can return to you if you have inadvertently forgotten to take them with you. Please check the NOTICE BOARD regularly for any changes in the program and also for messages.

On behalf of the organizing committee, we invite you to stay on after the conference to enjoy the sights of Nagoya and the nearby places of interest.

Yours Sincerely,

Prof. Dr. Zakaria Hossain
Conference Chairman

12 November 2018

SEE-Nagoya 2018 Program Summary with ID

Monday, 12 November 2018:

1600-1800: Registrations at Meitetsu New Grand Hotel

1830-1930: Welcome Cocktails

2000-2100: Special Dinner for Keynote Speakers

Tuesday, 13 November 2018:

0830-1600: Registration

0845-0850: Opening and Welcome Address

Welcome address by Conference Chairman Professor Dr. Zakaria Hossain

Keynote Session (0850-0940) Chair: Prof. Hiroyuki Ii 2X25mins including Q & A

RUNOFF CHARACTERISTICS OF DEBRIS FLOW FLOWING DOWN A TORRENT OF MILD GRADIENT
Naomasa Honda

MECHANICAL PROPERTY OF CHLOROPRENE BEARING PAD FOR BRIDGE UNDER CYCLIC TEMPERATURE CHANGE
Hidenori Tanaka, Kazuki Kurosawa and Masatake Yoshino

0940-1000: Morning Refreshments

1000-1200 Oral Session 1 (Room A) 12X10mins Chair: Dr. Noriko Otsuka Prof. Hidenori Tanaka 4722, 4729, 4732, 4733, 4746, 4747, 4748, 4755, 4764, 4765, 4766, 4864	1000-1200 Oral Session 2 (Room B) 12X10mins Chair: Prof. Hidenori Tanaka Dr. Noriko Otsuka 4534, 4539, 4553, 4558, 4578, 4595, 4597, 4601, 4603, 4606, 4608, 4619
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1200-1300 Lunch

1300-1520 Oral SESSION 3 (Room A) 14X10mins Chair: Dr. Hideyuki Ito 4632, 4633, 4634, 4680, 4682, 4684, 4687, 4693, 4700, 4703, 4740, 4778, 4779, 4795	1300-1520 Oral Session 4 (Room B) 14X10mins Chair: Dr. Pongsakorn Punrattanasin 4592, 4599, 4609, 4615, 4617, 4620, 4628, 4636, 4644, 4646, 4651, 4654, 4575, 4579
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1520-1540: Afternoon Refreshments

Poster Session-1 (hang at 1200 ~ , remove at 1700) Q&A 1520
4503, 4510, 4513, 4535, 4536, 4538, 4551, 4554, 4567, 4576, 4587, 4630, 4759

1540-1550 Group Photo

1550-1820 Oral Session 5 (Room A) 14X10mins Chair: Dr. Fauzan 4564, 4565, 4566, 4568, 4569, 4570, 4571, 4572, 4581, 4585, 4589, 4645, 4815, 4825	1550-1820 Oral Session 6 (Room B) 15X10mins Chair: Dr. Mehwish Bari Dr. Mohd Nizam Ab Rahman 4508, 4509, 4519, 4521, 4527, 4552, 4577, 4583, 4590, 4655, 4656, 4838, 4847, 4848, 4857
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1830-2030 Banquet & Awards Ceremony

1830 Group Photo in Banquet Hall

1915 Awards Ceremony

1930 Discussion on Journal Publications

2030 Adjournment for the day

Wednesday, 14 November 2018:

0830-1600: Registration

0830-1030 Oral Session 7 (Room A) 12X10mins Chair: Prof. Nazar Oukaili, Dr. Mohd Jamil M. Mokhtarudin 4772, 4783, 4785, 4800, 4804, 4810, 4817, 4819, 4828, 4830, 4507, 4670	0830-1030 Oral Session 8 (Room B) 12X10mins Chair: Dr. Astuti Masdar, Dr. Lai Zee Wei 4594, 4638, 4642, 4650, 4679, 4688, 4689, 4694, 4696, 4697, 4698, 4706
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1030-1050: Morning Refreshments

Poster Session-2 (hang at 0900 ~ , remove at 1200) Q&A 1030

4596, 4629, 4635, 4641, 4681, 4695, 4707, 4726, 4742, 4756, 4792

1050-1250 Oral Session 9 (Room A) 12X10mins Chair: Prof. Lily S. Eka Putri, Prof. Md. Abul Kalam Azad 4712, 4715, 4720, 4735, 4736, 4751, 4773, 4774, 4780, 4796, 4821, 4832	1050-1250 Oral Session 10 (Room B) 12X10mins Chair: Dr. Radin Maya S. R.M., Dr. Marselina Djayasinga 4501, 4514, 4516, 4523, 4524, 4525, 4528, 4530, 4537, 4549, 4550, 4555
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1250-1350 Lunch

1350-1550 Oral Session 11 (Room A) 13X8mins Chair: Dr. Ranti Hidayawanti 4580, 4657, 4661, 4662, 4665, 4668, 4672, 4676, 4683, 4690, 4702, 4721, 4862	1350-1550 Oral Session 12 (Room B) 14X8mins Chair: Prof. Usman Sumo F. T., Prof. Hamdy Youssef 4532, 4658, 4709, 4710, 4728, 4738, 4739, 4749, 4782, 4786, 4799, 4822, 4849
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1550-1610: Afternoon Refreshments

Poster Session-3 (hang at 1300 ~ , remove at 1610)) Q&A 1550

4631, 4801, 4808, 4813, 4816, 4823, 4824, 4840, 4841, 4851, 4861, 4863

1610 Closure of Conference

Thursday, 15 November 2018:

1300-1600 Technical Tour

SEE 2018 Program Details

Monday, 12 November 2018	
1600-1800	Registrations
1830-1930	Welcome Cocktails
2000-2100	Special Dinner for Keynote Speakers

Tuesday, 13 November 2018 Oral Sessions	
0830-1600	Registration
0845-0850	Opening and Welcome Address
	Welcome address by Conference Chairman, Professor Dr. Zakaria Hossain, Mie University, Japan
	<u>0850-0940 Keynote Session</u>
	Chair: Prof. Dr. Hiroyuki Ii 2X25mins including Q & A
0850-0940	RUNOFF CHARACTERISTICS OF DEBRIS FLOW FLOWING DOWN A TORRENT OF MILD GRADIENT Naomasa Honda
	MECHANICAL PROPERTY OF CHLOROPRENE BEARING PAD FOR BRIDGE UNDER CYCLIC TEMPERATURE CHANGE Hidenori Tanaka, Kazuki Kurosawa and Masatake Yoshino
0940-1000	Morning Refreshments
	<u>1000-1200 Oral Session 1 (Room A) 12X10mins Tuesday, 13 November</u>
	Chair: Dr. Noriko Otsuka Prof. Hidenori Tanaka
	4722, 4729, 4732, 4733, 4746, 4747, 4748, 4755, 4764, 4765, 4766, 4864
	NON-CONTACT ESTIMATION OF STRAIN PARAMETER-TRIGGERING LIQUEFACTION Erica Elice Saloma Uy, Toshihiro Noda, Kentaro Nakai and Jonathan Rivera Dungca
	INFLUENCE OF DEVELOPMENT/DIMINISHING OF ANISOTROPY ON THE MECHANICAL BEHAVIOR OF CLAYEY SPECIMEN Imran Khan, Kentaro Nakai, Toshihiro Noda and Kota Mizukami
	FACTORS IMPACTING PRECAST UTILIZATION IN CAMBODIA CONSTRUCTION Kaya Ting, Phatsaphan Charnwasunuth, Vachara Peansupap and Nobuyoshi Yabuki
1000-1200	DEVELOPMENT OF INTEGRATED SATELLITE-BASED DROUGHT MODEL IN THAILAND USING MULTIPLE LINEAR REGRESSION Mongkol Raksapatcharawong and Watcharee Veerakachen
	THE SPEED LIMIT FOR MOTORCYCLE: URBAN ARTERIAL ROAD IN KHON KAEN CITY, THAILAND Jetsada Kumphong, Thaned Satiennam and Wichuda Satiennam
	MOTORCYCLE HELMET USE INTENTION WITH THE THEORY OF TRAFFIC PSYCHOLOGY FOR BEHAVIOR CHANGE IN LAO PDR Jetsada Kumphong, Thaned Satiennam, Wichuda Satiennam and Phongsavanh Inthavongsa
	PSYCHOLOGICAL MOTIVATION OF ELDERLY' INTENTION TO USE PUBLIC TRANSIT: A CASE STUDY OF LIGHT RAIL TRANSIT SYSTEM (LRT) IN KHON KAEN, THAILAND Kawin Muenrit, Wichuda Satiennam

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1000-1200	<p>DEVELOPMENT OF A CRACK REPAIR METHOD USING YEAST-INDUCED CALCIUM CARBONATE PRECIPITATION AND MODELING THE PRECIPITATION OF CALCIUM CARBONATE USING GEOCHEMICAL SIMULATION Yoko Sakakihara and Shinichirou Okazaki</p>
	<p>EXPERIMENTAL INVESTIGATION OF HOLLOW BRICK UNREINFORCED MASONRY BUILDING RETROFITTED BY FERROCEMENT LAYERS Fauzan, Abdul Hakam, Febrin Anas Ismail and Jonathan Vincensius Osman</p>
	<p>USING FUZZY MULTI ATTRIBUTE DECISION MAKING (FMADM) APPROACH FOR RAILWAY TRACK REHABILITATION PLANNING: A CASE STUDY IN THAILAND Thawatchai Phanyakit and Thaned Satiennam</p>
	<p>VEHICLE ACTUATED SIGNAL CONTROL FOR LOW CARBON SOCIETY Thanapol Promraksa and Thaned Satiennam</p>
	<p>FLEXURAL STRENGTH OF RIGID PAVEMENT USING RECYCLED CONCRETE AGGREGATES IMPROVED BY POLYVINYL ALCOHOL Suksun Horpibulsuk, Teerasak Yaowarat, Arul Arulrajah, Mehdi Mirzababaei and Ahmad Safuan A Rashid</p>
	<p><u>1000-1200 Oral Session 2 (Room B) 12X10mins Tuesday, 13 November</u> Chair: Prof. Hidenori Tanaka Dr. Noriko Otsuka 4534, 4539, 4553, 4558, 4578, 4595, 4597, 4601, 4603, 4606, 4608, 4619</p>
	<p>ENVIRONMENTAL REGENERATION AND MANAGEMENT IN PARTNERSHIP IN THE NORTHWEST OF ENGLAND Tomoko Miyagawa, Clare Olver, Noriko Otsuka, and Hirokazu Abe</p>
	<p>COMPARISON OF COD AND TSS REMOVALS FROM ARTIFICIAL RIVER WATER BY MUDBALLS MADE WITH ACTIVATED EM1 AND EM4 SOLUTIONS Fadjari Lucia Nugroho, Deni Rusmaya and Muthia Damayanti</p>
	<p>THE ESTIMATION OF THE LAKE COLAC WATER BALANCE USING ISOTOPIC RATIO OF WATER, AMOUNT OF PRECIPITATION AND EVAPORATION VALUES IN VICTORIA, AUSTRALIA Hiroki Kitagawa, Peter G Dahlhaus Hiroyuki li</p>
	<p>SEASONAL VARIATION AND SOURCE ANALYSIS OF MONITORING PM10 DATA IN NORTHERN THAILAND Pantitcha Outapa and Katiya Ivanovitch</p>
	<p>DEVELOPING FINE PARTICLE FILTERING SYSTEM FOR MOTORCYCLE EXHAUST USING COCO FIBERS Arinto Y.P. Wardoyo, Firidy Yuana, and Selly Y. A. Elbasari</p>
	<p>ISOTOPIC RATIOS AND CHEMICAL COMPOSITION OF PRECIPITATION BETWEEN FOOT OF THE BUILDING AND TOP OF THE BUILDING IN OSAKA CITY AND WAKAYAMA CITY, JAPAN Toshiki Ueda and Hiroyuki li</p>
	<p>REGENERATION FOR SOCIO ECOLOGICAL PRODUCTION LANDSCAPE IN SERIOUSLY ENVIRONMENTAL DAMAGED RURAL AREA Takato Azegami, Hirokazu Abe, Noriko Otsuka and Tomoko Miyagawa</p>
	<p>HOLISTIC LANDSCAPE PLANNING`S VALUE FOR NATURAL DISASTER RECONSTRUCTION: WILLINGNESS TO PAY FOR NEW RESIDENCE IN DIFFERENT RECONSTRUCTION PLANNING APPROACHES Misato Uehara</p>
<p>THE ADSORPTION OF HEAVY METALS FROM INDUSTRIAL WASTEWATER USING SARGASSUM CRASSIFOLIUM Lily Surayya Eka Putri and Eka Syafiq</p>	

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1000-1200	<p>MEDICAL WASTE MANAGEMENT IN PRIVATE CLINICS IN SURABAYA AND FACTORS AFFECTING IT Susi A Wilujeng, Enri Damanhuri and Mochammad Chaerul</p> <p>PUBLIC HEARING WITHIN THE ENVIRONMENTAL AND HEALTH IMPACT ASSESSMENT SYSTEM: A CASE STUDY FORM THAILAND Chutarat Chompunth</p> <p>SEMI-ARTIFICIAL SLUDGE PRODUCTION BY UTILIZING INORGANIC MATTERS OBTAINED FROM NATURAL "HEDORO" Hirosuke Hirano, Davin H. E. Setiamarga</p>
1200-1300	Lunch
1300-1520	<p><u>1300-1520 Oral Session 3 (Room A) 14X10mins Tuesday, 13 November</u> Chair: Dr. Hideyuki Ito 4632, 4633, 4634, 4680, 4682, 4684, 4687, 4693, 4700, 4703, 4740, 4778, 4779, 4795</p> <p>MAPPING STABLE ISOTOPIC RATIOS OF STREAM WATER AND CU, ZN, PB AND AS CONCENTRATIONS OF BRYOPHYTE ALONG STREAMS IN THE EAST OF OKAYAMA AND TOTTORI PREFECTURES, JAPAN Hiroyuki li and Masahito Yoshimura</p> <p>REDUCTION OF NUTRIENTS IN PUBLIC MARKET WASTEWATER BY PHYCOREMEDIATION Radin Maya Saphira Radin Mohamed, Alfituri Ibrahim Abdullah Abuala, Najeeha Mohd. Apandi, Adel Al-Gheethi , Aisha A. Amhimmid Alqantosh and Amir Hashim Mohd. Kassim</p> <p>AMOUNT OF PRECIPITATION ON TOPOGRAPHY FROM OSAKA PLAIN TO NARA BASIN ACROSS IKOMA MOUNTAINS, JAPAN Hiroki Nishiwaki and Hiroyuki li</p> <p>THE POTENTIAL OF TROPICAL MICROALGAE AS FLOCCULANT IN HARVESTING PROCESS Astri Rinanti, Ronny Purwadi</p> <p>TURBIDITY REDUCTION OF THE RAW DRINKING WATER FOR PILOT SCALE ELECTROCOAGULATION DEVELOPMENT E. Afiatun, H. Pradiko and E. Fabian</p> <p>GEOSPATIAL MODEL OF PHYSICAL AND SOCIAL VULNERABILITY FOR TSUNAMI RISK ANALYSIS Abu Bakar Sambah, F. Miura, Guntur, Sunardi, and A. F. Febriana</p> <p>HYDROLOGICAL AND NITRATE LOADING MODELING IN LAM TAKLONG WATERSHED, THAILAND Chau Ngoc Tran, Chatpet Yossapol</p> <p>WATER QUALITY ASSESSMENT BASED ON THE WATER QUALITY INDEX (WQI) APPROACH USING GEOSPATIAL ANALYSIS Rina Febrina and Abu Bakar Sambah</p> <p>THE AWARENESS OF ENVIRONMENT CONSERVATION BASED ON OPINION DATA MINING FROM SOCIAL MEDIA Kunyanuth Kularbphettong</p> <p>LIFE CYCLE IMPACT ASSESSMENT OF NEWGROUND MATERIAL AND EMBANKMENT CONSTRUCTION METHODS CONSIDERING RECYCLING Hideyuki Ito, Kento Aimono and Takahiro Fujii</p>

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1300-1520	<p>COMPARATIVE ANALYSIS AND DESIGN OF TRANSVERSE BOX GIRDER BRIDGE BETWEEN STAAD.PRO AND MIDAS CIVIL SOFTWARES Muhammad Naim Abdul Halim, Anizahyati Alisibramulisi, Mohammad Noor Abu Hassan, Ahmad Ramlan Abu Talib, Noor Rita Ismail, and Norliyati Mohd Amin</p>
	<p>AN ANALYTICAL INVESTIGATION OF EWECS COMPOSITE COLUMN WITH AND WITHOUT SHEAR STUD Fauzan, Ruddy Kurniawan and Zev Al Jauhari</p>
	<p>WATER RESOURCES AND STORMWATER MANAGEMENT STRATEGIES USING DUAL FUNCTION RAINWATER TANK IN LABU RIVER BASIN MALAYSIA Y.F. Huang, Effie Nyanong, K.F. Fung</p>
	<p>BIOETHANOL PRODUCTION FROM AGRICULTURAL PRODUCTS AND FRUITS OF BANGLADESH Md. Abul Kalam Azad and Nilufa Yesmin</p>
	<p><u>1300-1520 Oral Session 4 (Room B) 14X10mins Tuesday, 13 November</u> Chair: Dr. Pongsakorn Punrattanasin 4592, 4599, 4609, 4615, 4617, 4620, 4628, 4636, 4644, 4646, 4651, 4654, 4575, 4579</p>
	<p>EXPERIMENTAL INVESTIGATION OF SEISMIC PERFORMANCE OF REINFORCED BRICK MASONRY INFILLED REINFORCED CONCRETE FRAMES WITH A CENTRAL OPENING Maidiawati, Jafril Tanjung, Yulia Hayati and Hamdeni Medriosa</p>
	<p>INFLUENCE OF POZZOLANIC MATERIALS IN THE ADSORPTION OF HEAVY METALS ON RED LOESS SOIL Pongsakorn Punrattanasin, Arnun Chantaduang and Chinawat Muktabhant</p>
	<p>EXPERIMENTAL STUDY AND MODELLING OF STRESS-STRAIN RELATIONSHIP OF RC COLUMNS STRENGTHENED BY BAMBOO REINFORCED CONCRETE JACKETS Ari Wibowo, Indradi Wijatmiko and Christin Remayanti Nainggolan</p>
	<p>STUDY OF MODULUS ELASTICITY OF PVC COATED WELDED MESH FIBER CONCRETE Christin Remayanti Nainggolan, Indradi Wijatmiko and Ari Wibowo</p>
	<p>EFFECT OF BRICK MASONRY INFILLS TO SEISMIC CAPACITY OF INDONESIA MULTI-STORY RC BUILDING Jafril Tanjung, Maidiawati and Aditya Alfajri</p>
	<p>STRENGTH CHARACTERISTICS OF WASTED SOFT DRINKS CAN AS FIBER REINFORCEMENT IN LIGHTWEIGHT CONCRETE Indradi Wijatmiko, Ari Wibowo and Christin Remayanti Nainggolan</p>
	<p>OPTIMIZED PREPARATION OF RICE HUSK ASH (RHA) AS SUPPLEMENTARY CEMENTITIOUS MATERIAL Carmela Denise C. Isberto, Krystoffer Lloyd D. Labra, Jan Marielle B. Landicho, and Richard M. De Jesus</p>
<p>FIELD PERFORMANCE OF THE CAPILLARY WICK IRRIGATION (CAPILLARIGATION) SYSTEM FOR RICE-BASED CROPS Ricardo F. Orge and Deroose A. Sawey</p>	
<p>UNDRAINED SHEAR STRENGTH OF SOFT CLAY REINFORCED WITH SINGLE ENCAPSULATED LIME BOTTOM ASH COLUMN Muzamir Hasan, Kwan Hui Yee, Fat-hi Muhamad and Masayuki Hyodo</p>	

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1300-1520	<p>IMPROVEMENT OF ENZYMATIC CATALYSIS IN ORGANIC SOLVENTS VIA IMMOBILIZATION ON BIOCHAR Hidetaka Noritomi, Jumpei Nishigami, Nobuyuki Endo, Satoru Kato and Shinsuke Takagi</p> <p>PROPERTIES OF LIGHTWEIGHT AERATED GEOPOLYMER SYNTHESIS FROM HIGH-CALCIUM FLY ASH AND ALUMINIUM POWDER Charoenchai Ridditirud and Prinya Chindapasirt</p> <p>FLUIDIZED BED COAL-BARK FLY ASH GEOPOLYMER WITH ADDITIVES CURED AT AMBIENT TEMPERATURE Prinya Chindapasirt, Pornnapa Kasemsiri, Suttipong Poomsrisa and Patcharapol Posi</p> <p>SPATIAL ANALYSIS OF COMMUNITY'S ACCEPTANCE FOR SUDS APPLICATIONS IN NHIEU LOC – THI NGHE SUB-BASIN, HO CHI MINH CITY, VIETNAM Nguyen Hoang My Lan, Vo Le Phu and Le Van Trung</p> <p>POLYETHYLENETEREPHTHALATE-BASED ACTIVATED CARBON PRODUCTION: PRELIMINARY STUDY ON KOH ACTIVATION WITH MICROWAVE ASSIST Sirasit Meesiri, Nattawut Seayang, Weeraphong Homnan, Navadol Laosiripojana, and Anusorn Boonpok</p>
1520-1540	<i>Afternoon Refreshments</i>
1540-1550	Group Photo
1550-1820	<p><u>1550-1820 Oral Session 5 (Room A) 14X10mins Tuesday, 13 November</u> Chair: Dr. Fauzan 4564, 4565, 4566, 4568, 4569, 4570, 4571, 4572, 4581, 4585, 4589, 4645, 4815, 4825</p> <p>THE COMPARISON OF DRAINED SHEAR STRENGTH BETWEEN SINGLE STAGE AND MULTISTAGE OF KHON KAEN LOESS FROM TRIAXIAL TEST S. Chatchawan , R. Nuntasarn and D. Hormdee</p> <p>BEARING CAPACITY OF KHON KAEN LOESS BY PLATE BEARING TEST P. Thaowandee, R Nuntasarn and P Punrattanasin</p> <p>DRAINED SHEAR STRENGTH PARAMETERS OF COMPACTED KHON KAEN LOESS BY DIRECT SHEAR TEST Atchariya Saengthongthip, Ratamane Nuntasarn and Chinawat Muktabhant</p> <p>ABSORPTION OF NI, CU AND ZN ON BENTONITE CLAY MIXED WITH POZZOLANIC MATERIALS Natta Orprasert, Pongsakorn Punrattanasin and Dolrerdee Hormdee</p> <p>ADSORPTION OF ZINC ON BENTONITE CLAY MIXED WITH POZZOLANIC MATERIALS BY COLUMN LEACHING TEST Pittaya Satiman, Pongsakorn Punrattanasin and Chinawat Muktabhant</p> <p>EFFECT OF INITIAL CONCENTRATION OF HEAVY METALS ON THE ADSORPTION CAPACITY OF BENTONIRE CLAY MIXED WITH PORTLAND CEMENT Anunt Sirisombunphatthana, Pongsakorn Punrattanasin and Ratamane Nuntasarn</p> <p>ADSORPTION CAPACITY OF HEAVY METALS ON ILLITE, KAOLINITE AND MONTMORILLONITE CLAYS FROM BATCH TEST Keatniyom Teerawattanaparpha, Pongsakorn Punrattanasin and Dolrerdee Hormdee</p> <p>ADSORPTION CAPACITIES OF HEAVY METALS TO SAND MIXED WITH SODIUM BENTONITE USING BATCH SORPTION TESTS Yuttapong Chaipanha, Pongsakorn Punrattanasin, Dolrerdee Hormdee and Chinawat Muktabhant</p>

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1550-1820	<p>VIBRATION AND SOUND SIGNAL ANALYSIS FOR A GASOLINE ENGINE WITH LPG-INSTALLATION AND FAULT SIMULATIONS Suphattharachai Chomphan, Theerathan Kingrattanase and Saereephap Boonsit</p>
	<p>AN ARTIFICIAL NEURAL NETWORK MODEL FOR THE CORROSION CURRENT DENSITY OF STEEL IN MORTAR MIXED WITH SEAWATER Cheryl Lyne C. Roxas and Bernardo A. Lejano</p>
	<p>IMPLEMENTATION OF CONNECTION SYSTEM OF WOODEN PLATE AND WOODEN CLAMP ON JOINT MODEL OF BAMBOO TRUSS STRUCTURES Astuti Masdar, Suprpto Siswosukarto, Noviarti and Des Suryani</p>
	<p>COMPATIBLE ACTION GRAPH FOR FINITE CYCLIC GROUPS OF p-POWER ORDER Mohammed Khalid Shahoodh, Mohd Sham Mohamad, Yuhani Yusof, Sahimel Azwal Sulaiman and Nor Haniza Sarmin</p>
	<p>MOBILE DEVICES: ITS IMPACT TO ACADEMIC PERFORMANCE Charito G. Ong, Cipriana P. Flores</p>
	<p>SYNTHESIS OF ONE-PART GEOPOLYMER USING D-OPTIMAL MIXTURE DESIGN FOR SOIL STABILIZATION April Anne S. Tigue, Jonathan R. Dungca, and Michael Angelo B. Promentilla</p>
	<p><u>1550-1820 Oral Session 6 (Room B) 15X10mins Tuesday, 13 November</u> Chair: Dr. Mohd Nizam Ab Rahman Dr. Mehwish Bari 4508, 4509, 4519, 4521, 4527, 4552, 4577, 4583, 4590, 4655, 4656, 4838, 4847, 4848, 4857</p>
	<p>OPTIMAL RAIN GAUGES NETWORK USING GEOSTATISTICS AND HYBRID PARTICLE SWARM-SIMULATED ANNEALING OPTIMIZATION Mohd Khairul Bazli Mohd Aziz, Fadhilah Yusof, Zalina Mohd Daud, Zulkifli Yusop, Mohammad Afif Kasno</p>
	<p>REVERSIBLE JUMP MCMC METHOD FOR HIRARCHICAL BAYESIAN MODEL SELECTION IN MA MODELS WITH EXPONENTIAL NOISE Suparman</p>
	<p>EXPRESSION OF HYALURONAN SYNTHASE (hasA) AND PRODUCTION OF HYALURONIC ACID THROUGH BIOSYNTHESIS IN RECOMBINANT ESCHERICHIA COLI Lai Zee Wei, Aayushree Kharel and Chong Jun Yi</p>
<p>THE UTILIZATION OF THE MITOCHONDRIAL COI AND THE NUCLEAR HISTONE H3 GENES FOR DNA BARCODING STUDY OF INTERTIDAL SHELLED GASTROPODS FROM NADA COAST IN WAKAYAMA PREFECTURE, JAPAN Nagisa Nakaji, Shoma Iwamoto, Shinnosuke Teruya, Masataka Kusube, Akira Kosaka, Takenori Sasaki, Davin H. E. Setiamarga</p>	
<p>THE EFFECTS OF THAI MASSAGE ON LEG MUSCLE OXYGENATION AND TIME TO FATIGUE IN HEALTHY MALE SUBJECTS Wirapong Sucharit, Wichai Eungpinichpong, Uraiwan Chatchawan, and PanneePeungsuwan</p>	
<p>ASSESSMENT OF OUT-OF-PLANE FAILURE OF NON-ENGINEERED MASONRY WALL DUE TO TYPHOON HAIYAN-INDUCED STORM SURGES Jenes P. Borais, and Richard De Jesus</p>	
<p>THE EFFECT OF SOIL DEPTH ON GROWTH OF CLOVER FERN AND USING CLOVER FERN ON THE GERMINATION OF FERN SPORE Sawat Pimsuwan and Yaowarat Wongsrisakulkaew</p>	

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1550-1820	<p>ANGIOTENSIN CONVERTING ENZYME INHIBITOR ACTIVITY OF THE SOYBEAN TEMPEH PROTEIN AS FUNCTIONAL FOOD Sri Yadiat Chalid, Sandra Hermanto Amalia Rahmawati</p> <p>THE MODIFIED DECOMPOSITION METHOD FOR SOLVING VOLTERRA INTEGRAL EQUATION OF THE SECOND KIND USING MAPLE Dalal Adnan Maturi</p> <p>EFFECT OF CUTTING PARAMETER AND FIBER PULL-OUT ON MACHINABILITY KENAF FIBER REINFORCED PLASTIC COMPOSITE MATERIALS USING DOE Azmi Harun, Che Hassan Che Haron, Jaharah A. Ghani, Yuzairi Abdul Rahim, Roshaliza Hamidon, Tan Chye Lih</p> <p>THE ACUTE EFFECT OF TRADITIONAL THAI MASSAGE ON RECOVERY FROM FATIGUE IN BASKETBALL PLAYERS Nopparak Kaesaman and Wichai Eungpinichpong</p> <p>ON THE IMAGE BASED ON SMART PHONE USERS IN PUBLIC SPACE Yuki Ogimoto and Kazunari Tanaka</p> <p>IMAGE ANALYSIS ON NIGHT SEQUENTIAL IMAGES Hiroki Komai and Kazunari Tanaka</p> <p>ON THE SPATIAL ELEMENTS FROM A BIRD'S-EYE VIEW SCAPE Nobuaki Tanaka, Kazunari Tanaka</p> <p>THE EFFICIENCY OF FLY ASH AND CEMENT SLAG TO DEVELOPMENT BUILDING Ranti Hidayawanti, Supriadi Legino, Iriansyah Sangadji, Rony Panca Adi Widodo</p>
1830-2000	Banquet & Awards Ceremony
1830	Group Photo in Banquet Hall
1915	Awards Ceremony
1930	Discussion on Journal Publications
2030	Adjournment for the Day

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Tuesday, 13 November 2018 Poster Sessions (1)

1200-1700	<p>Poster Session-1 (hang at 1200 ~ , remove at 1700) Q&A 1520 4503, 4510, 4513, 4535, 4536, 4538, 4551, 4554, 4567, 4576, 4587, 4630, 4759</p> <p>EFFECT OF OKRA AND TANGERINE RATIOS ON PRODUCTION OF MIXED JUICE WITH LYCOPENE SUPPLEMENTATION Wattana Wirivutthikorn</p> <p>EXTRACTION OF STATIC FEEDBACK COEFFICIENT FOR SPICE MODEL OF DRAIN INDUCED BARRIER LOWERING IN JUNCTIONLESS DOUBLE GATE MOSFET Hakkee Jung</p> <p>SCREENING CRUDE EXTRACTS FROM PIPER SPP. ON COLLETOTRICHUM SP. AND PHYTOPHTHORA SP. CAUSING PLANT DISEASE Pornprapa Kongtragoul, Parinya Janthong, Theerachart Leepasert, and Chalernpol Suwanphakdee</p> <p>THE INCORPORATION OF LEAN SIX-SIGMA INITIATIVES TO REDUCE WATER FOOTPRINT OF A PUBLIC UNIVERSITY Karin Kandanand</p> <p>PREPARATION OF GEOPOLYMER CEMENT FROM CRUSHED STONE BY-PRODUCT USING ALKALI FUSION Kazuki Sakamoto, Takaaki Wajima</p> <p>DESALINATION OF SEAWATER USING NATURAL ZEOLITE FOR AGRICULTURAL UTILIZATION Takaaki Wajima</p> <p>APPLICATION OF SCMR AND FLUORESCENCE FOR CHLOROPHYLL MEASUREMENT IN SUGARCANE Darika Bunphan, Naris Sinsiri and Ruchuon Wanna</p> <p>EFFECT OF α17-METHYLTESTOSTERONE ON SEX REVERSAL OF RED TILAPIA (OREOCHROMIS NILOTICUS X OREOCHROMIS MOSSAMBICUS) IN FREE-SWIMMING STAGE Supamas Sriwongpuk</p> <p>THE EFFECTS OF AGROCHEMICAL RESIDUES ON AQUATIC INVERTEBRATES IN SEMI-ORGANIC RICE FIELDS Pattira Kasamesiri and Wipavee Thaimuangphol</p> <p>OPTICAL RESPONSE ANALYSIS OF InGaAs HIGH-ELECTRONMOBILITY TRANSISTORS WITH A 1550-nm WAVELENGTH FEMTOSECOND PULSE LASER Taiki Kozakai, Itsuki Takagi, Shun Nakajima, and Hirohisa Taguchi</p> <p>EFFECT OF SUSPENDING TRAFFIC ON A HIGHWAY IN A MOUNTAINOUS REGION IN CENTRAL JAPAN ON THE SUCCESSION OF SLOPE VEGETATION Teruo Arase, Akane Nishio, Tetsuo Okano and Taizo Uchida</p> <p>EFFECTIVENESS OF USING CICADA SHELL AND RIVER BRYOPHYTE AS AN INDEX OF AVAILABLE CU, ZN, PB, AS, NI AND CR CONTAMINATION Hiroyuki Ii</p> <p>ELECTRET CONDENSER MICROPHONE AS SENSOR IN ARTERIAL PULSE RECORDING DEVICE Erni Yudaningtyas, Waru Djuriatno, Achsanul Khabib and Dionysius J.D.H. Santjojo</p>
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Wednesday, 14 November 2018 Oral Sessions	
0830-1600	<p>Registration</p>
0830-1030	<p><u>0830-1030 Oral Session 7 (Room A) 12X10mins Wednesday, 14 November</u> Chair: Prof. Nazar Oukaili, Dr. Mohd Jamil Mohamed Mokhtarudin 4772, 4783, 4785, 4800, 4804, 4810, 4817, 4819, 4828, 4830, 4507, 4670</p> <p>EXPERIMENTAL STUDY ON THE EFFECT OF STEEL FIBER WASTE TYRE ON HIGH STRENGTH CONCRETE Fauzan, Rudy Kurniawan, Oscar Fitrah N and Claudia Lovina A. N</p> <p>A PRICE SETTING FOR AN EXCESS-BAGGAGE SERVICE AS A FUNCTION OF FREIGHT PRICE I.A. Shaban, F.T.S. Chan, and S.H. Chung</p> <p>BOND STRENGTH PREDICTION MODEL OF CORRODED REINFORCEMENT IN CONCRETE USING NEURAL NETWORK Nolan C. Concha and Andres Winston C. Oreta</p> <p>DIFFERENTIAL SETTLEMENT OF SHORT PILED RAFT FOUNDATION SYSTEM ON PEAT DURING LOADING TEST Sajiharjo Marto Suro, Adnan Zainorabidin, Agus Sulaeman and Ismail Bakar</p> <p>SETTLEMENT BEHAVIOR OF ROAD SURFACES CAUSED BY DISSOLUTION OF SALT LAYERS Siwadol Saenseela, Pongsagorn Pongchompu and Gomin Chairatanangamdej</p> <p>AN INTEGRATED APPROACH FOR SUSTAINABILITY IN THE APPLICATION OF INDUSTRIALISED BUILDING SYSTEM (IBS) Riduan Yunus, Abdul Rahim Abdul Hamid and Siti Rahimah Mohd Noor</p> <p>THERMOGRAVIMETRIC ANALYSIS OF TREATED WASTE ABACA FOR FLY ASH-BASED GEOPOLYMER REINFORCEMENT Janne Pauline S. Ngo, Roy Alvin Malenab and Michael Angelo Promentilla</p> <p>INTEGRATED MAINTENANCE SCHEDULING AND STAFF SCHEDULING FOR AN AIRCRAFT HANGAR MAINTENANCE PROBLEM Yichen Qin, Felix T.S. Chan, S.H. Chung, B. NIU, T. QU</p> <p>FLOW INVESTIGATIONS WITHIN A CONCENTRIC CYLINDERS OF GAS SENSOR MODULE FOR I.C. ENGINES Tatsuya Kawaguchi, Yoona Jeong, Takushi Saito and Isao Satoh</p> <p>APPLICATION STATIC LOAD TEST (SLT) AND PILE INTEGRITY TESTING (PIT) OF PILES IN SEA PORT "PRORVA" (WEST KAZAKHSTAN) Askar Zhussupbekov, Zhanbolat Shakhmov and Gulshat Tleulenova</p> <p>WOODY DEBRIS RECRUITMENT CAUSED BY DISASTERS RELATED TO TROPICAL STROM NANMADOL (2017) IN HEADWATER OF ASAKURA CITY, FUKUOKA, JAPAN Thapthai Chaithong, Daisuke Komori and Yuto Sukegawa</p> <p>BRAIN TISSUE SWELLING DURING ISCHAEMIA-REPERFUSION: 2D FINITE ELEMENT ANALYSIS USING POROELASTICITY Mohamed Mokhtarudin, M. J., Shabudin, A. and Payne, S. J.</p>

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0830-1030	<p><u>0830-1030 Oral Session 8 (Room B) 12X10mins Wednesday, 14 November</u> Chair: Dr. Astuti Masdar, Dr. Lai Zee Wei 4594, 4638, 4642, 4650, 4679, 4688, 4689, 4694, 4696, 4697, 4698, 4706</p> <p>STRUCTURE-BASED VIRTUAL SCREENING OF INDONESIAN NATURAL PRODUCT COMPOUNDS AS EBOLA VIRUS VP30 PROTEIN INHIBITORS Givan Andris Tio, Andrei Bernadette, Mochammad Arfin Fardiansyah Nasution, Puteri Aprilia Sitadevi, Syahrul Ridzki Pratama, and Usman Sumo Friend Tambunan</p> <p>FORMULATION OF THE BODY SCRUB CREAM CONTAINING MORINGA SEED POWDER (MORINGA OLEIFERA) AND ITS EXAMINATION DERMAL ACUTE IRRITATION Hendrawati, Annita Karunia Savitri, Nina Fitriyati, Aulia Andi Mustika</p> <p>NONLINEAR BEHAVIOR AND THERMAL DAMAGE OF THERMAL LAGGING IN CONCENTRIC LIVING TISSUES SUBJECTED TO GAUSSIAN DISTRIBUTION SOURCE Hamdy M. Youssef, Najat A. Al-Ghamdi</p> <p>FRAGMENT-BASED DRUG DESIGN TO INHIBIT DNA METHYLTRANSFERASE 1 (DNMT1) FOR BREAST CANCER THERAPY Ade Hanna Natalia, Ahmad Husein Alkaff, Mutiara Saragih, Ina Nur Istiqomah, and Usman Sumo Friend Tambunan</p> <p>STUDY OF THE UTILIZATION OF CU(II) MODIFIED LIQUID SMOKE TO INHIBIT THE GROWTH OF FUNGI (SCHIZOPHYLLUM COMMUNE) Muhammad Faisal, Shara Utari, Zammera Hayvia, and Ilham Maulana</p> <p>SHORT-TERM EFFECTIVENESS OF INNOVATION PILLOW RELAX TO STRESS AND HEART RATE VARIABILITY IN THE ELDERLY Peerada Damapong and Pongmada Damapong</p> <p>EFFECTIVENESS OF HERBAL STEAM FOR REDUCING STRESS IN PATIENTS DIABETICS Pongmada Damapong and Peerada Damapong</p> <p>THE CAPACITY OF SOIL WATER INFILTRATION UNDER HORTICULTURAL CROPS IN THE WATERSHED UPSTREAM SUMANI Aprisal and Bambang Istijono</p> <p>DISCOVERY OF NOVEL DNMT-1 INHIBITOR BY FRAGMENT-BASED DRUG DESIGN AS A POTENTIAL BREAST CANCER TREATMENT Mutiara Saragih, Ahmad Husein Alkaff, Ade Hanna Natalia, Ina Nur Istiqomah, and Usman Sumo Friend Tambunan</p> <p>NITRIDING OF PURE TITANIUM BY HIGH DENSITY PLASMA USING H₂-N₂ GAS MIXTURE AT LOW TEMPERATURE Dionysius J. D. H. Santjojo, Masruroh, Setyawan P. Sakti, Maharani S. Rajapadni</p> <p>OPTICAL EMISSION SPECTROSCOPY STUDIES DURING NITROGEN PLASMA OF POLYSTYRENE SURFACES MODIFICATION Masruroh, Dionysius J. D. H. Santjojo Heraniawati, Muhamad A. Abdillah, Tyas N Zafirah and Eka Maulana, Setyawan P. Sakti</p> <p>EFFECTS OF SOIL QUALITY ON EATING QUALITY OF 'Namwa' BANANA (Musa ABB) FRUIT Pannipa Youryon and Suriyan Supapvanich</p>
1030-1050	<i>Morning Refreshments</i>
1050-1250	<p><u>1050-1250 Oral Session 9 (Room A) 12X10mins Wednesday, 14 November</u> Chair: Prof. Lily Surayya Eka Putri, Prof. Md. Abul Kalam Azad 4712, 4715, 4720, 4735, 4736, 4751, 4773, 4774, 4780, 4796, 4821, 4832</p> <p>TRACE ELEMENTS CONCENTRATIONS OF SEAWEED BESIDE MANY CLOSED COPPER MINES IN SADAMISAKI PENINSULA Erika Ueno and Hiroyuki li</p>

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1050-1250	<p>HEATING VALUE ENHANCEMENT BY BIOGAS PURIFICATION USING NATURAL ZEOLITE AND RICE STRAW-BASED BIOCHAR Ambar Pertiwiningrum, Margaretha Arnita Wuri, Andang Widi Harto, Rachmawan Budiarto and Misri Gozan</p>
	<p>THE POTENTIAL IMPROVEMENT OF PUBLIC TRANSPORT IN MINIMIZING AIR POLLUTION Lasmini Ambarwati, and Amelia K. Indriastuti</p>
	<p>PURIFICATION EXPERIMENTS ON THE PASIG RIVER, PHILIPPINES USING A CIRCULATION-TYPE PURIFICATION SYSTEM Okamoto Kyoichi, Komoriya Tomoe, Toyama Takeshi, Hirano Hirosuke</p>
	<p>PERFORMANCE OF A CIRCULATION TYPE PURIFICATION SYSTEM DURING THE TREATMENT OF SLUDGE FROM MANILA BAY AND TWO PORTS IN JAPAN Komoriya Tomoe, Okamoto Kyoichi , Toyama Takeshi, Hirano Hirosuke</p>
	<p>ANALYSIS OF STATISTICAL METHODS FOR WATER-LEVEL FORECASTS OF NIGER INNER DELTA IN MALI Barry Kassambara, Homayoon Ganji and Takamitsu Kajisa</p>
	<p>ENHANCEMENT OF BIOMETHANE PRODUCTION POTENTIAL FROM THE ALKALINE PRETREATED POLY (LACTIC ACID) WASTE BY THE CO-DIGESTION PROCESS Sutisa Samitthiwetcharong and Orathai Chavalparit</p>
	<p>PERFORMANCE OF AIR CONDITIONING SYSTEM IN EDUCATIONAL BUILDING FOR ENERGY CONSERVATION Nantamol Limphitakphong, Nuttasate Chaikatetham, Therdthai Khaimook, and Orathai Chavalparit</p>
	<p>WILLINGNESS TO PAY (WTP) BY CONTINGENT VALUATION METHOD (CASE STUDY: WASTE MANAGEMENT SERVICES) Marselina, Ria Virsa</p>
	<p>ISOLATION OF STRESS TOLERANCE YEAST STRAIN FROM PAPAYA WASTES Gemilang Lara Utama, Dwi Wahyudha Wira and Roostita L. Balia</p>
	<p>GEOPOLYMER BEADS FROM COAL FLY ASH AND WASTE PEN SHELLS Kimmie Dela Cerna, Jose Isagani Janairo Roy Alvin Malenab and Michael Angelo Promentilla</p>
	<p>A DEVELOPMENT OF WASTE MANAGEMENT MODEL: A CASE STUDY OF SI MUM MUANG MARKET IN THAILAND Anucha Jaisai and Chutarat Chompunth</p>
	<p><u>1050-1250 Oral Session 10 (Room B) 12X10mins Wednesday, 14 November</u> Chair: Dr. Radin Maya Saphira Radin Mohamed, Dr. Marselina Djayasinga 4501, 4514, 4516, 4523, 4524, 4525, 4528, 4530, 4537, 4549, 4550, 4555</p>
	<p>PARAMETRIC STUDY ON THE RESPONSE OF COMPOSITE SINGLE PILES TO LATERAL LOAD BY NUMERICAL SIMULATION (FDM) Alex Otieno Owino, Zakaria Hossain, Jim Shiau</p>
	<p>PERFORMANCE EVALUATION OF PARTIALLY PRESTRESSED CONCRETE BEAMS UNDER LIMITED CYCLES OF REPEATEDLY APPLIED LOADING Nazar K. Oukaili and Mohammed M. Khattab</p>
<p>THE EFFECT OF FGD GYPSUM AND BOTTOM ASH ADDITION IN SHOTCRETE MIXTURE Pisut Rodvinij, Pitiwat Wattanachai and Sattaya Chaiwithee</p>	
<p>USE OF DRY MIXING METHOD IN FLY ASH BASED GEOPOLYMER AS A STABILIZER FOR DREDGED SOIL Jonathan R. Dungca, Kimberly D. Ang, Aila Mae L. Isaac, John Joshua R. Joven and Ma. Beatrice T. Sollano</p>	
<p>RADIAL FLOW PERMEAMETER: A PROPOSED APPARATUS TO MEASURE HORIZONTAL HYDRAULIC GRADIENT OF FLY-ASH BASED GEOPOLYMER-SOIL MIX Jonathan R. Dungca, Winchell Dunley T. Lao, Matthew Lim, Wilson D. Lu and Juan Carlos P. Redelicia</p>	

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1050-1250	<p>VERTICAL PERMEABILITY OF DREDGED SOIL STABILIZED WITH FLY-ASH BASED GEOPOLYMER FOR ROAD EMBANKMENT Jonathan R. Dungca, Winchell Dunley T. Lao, Matthew Lim, Wilson D. Lu and Juan Carlos P. Redelicia</p> <p>PERFORMANCE OF SOIL SUBGRADE IMPROVEMENT USING WASTE MATERIAL Harnedi Maizir, Reni Suryanita, Ulfa Jusi and Raihan Arditama</p> <p>A STUDY OF THE QUALITY OF SOIL INFILTRATION AT THE DOWNSTREAM OF KURANJI RIVER, PADANG CITY Aprisal, Bambang Istijono, Taufika Ophiyandri and Nurhamidah</p> <p>MICROSTRUCTURE AND MECHANICAL PROPERTIES OF CONCRETE WITH TREATED RECYCLED CONCRETE AGGREGATES Richard De Jesus, Anthony Tang and Alvin Cunanan</p> <p>A COMPARATIVE STUDY ON VIBRATION SIGNALS OF A MOTORCYCLE AT VARIOUS POSITIONS Suphattharachai Chomphan</p> <p>FREQUENCY ANALYSIS OF THE ENGINE SUPPORT VIBRATION WITH HYDROGEN-DIESEL DUAL-FUELING Boonthum Wongchai, Poranat Visuwan, Sathaporn Chuepeng</p> <p>WALKABILITY AND RAIL NODES ALONG THE TRANSEUROPEAN TRANSPORT NETWORK: THE CASE OF GENOA BRIGNOLE STATION Noriko Otsuka, Dirk Wittowsky, and Marlene Damerou</p>
1250-1350	Lunch
1350-1550	<p><u>1350-1550 Oral Session 11 (Room A) 14X8mins Wednesday, 14 November</u> Chair: Dr. Ranti Hidayawanti 4580, 4657, 4661, 4662, 4665, 4668, 4672, 4676, 4683, 4690, 4702, 4721, 4862</p> <p>CHEMICAL COMPOSITION AND INSECTICIDAL ACTIVITY OF ESSENTIAL OIL FROM INDIAN BORAGE AGAINST MAIZE WEEVIL Ruchuon Wanna and Jiraporn Krasaetep</p> <p>EMBEDDED INTELLIGENCE FOR QUALITY OF SERVICE-BASED VERTICAL HANDOVER MANAGEMENT IN SEAMLESS WIRELESS NETWORKS Sunisa Kunarak</p> <p>GREEN CARGO MOVEMENT, LOCALITY: MEKONG Leonard Johnstone, Vatanavongs Ratanavaraha</p> <p>EFFECT OF FLY ASH FINENESS ON COMPRESSIVE, FLEXURAL AND SHEAR STRENGTHS OF HIGH STRENGTH-HIGH VOLUME FLY ASH JOINTING MORTAR Patcharapol Posi, Pornnapa Kasemsiri, Surasit Lertnimoolchai and Prinya Chindaprasirt</p> <p>THE USE OF BOTTOM ASH TO IMPROVE THE STRENGTH OF POOR SUBBASE LATERITIC SOIL IN ROAD CONSTRUCTION Chotikan Ratchakrom</p> <p>DAMAGE LEVEL PREDICTION OF MULTI-STORY STEEL STRUCTURE IN SUMATRA USING BACKPROPAGATION NEURAL NETWORK Reni Suryanita, Harnedi Maizir, Ismeddiyanto, Vindi Trisatria and Raihan Arditama</p> <p>DESIGN OF BASE ISOLATED REINFORCED CONCRETE BUILDING SUBJECTED EARTHQUAKE EXCITATION USING EC 8 Norliyati Mohd Amin, Nabihan Ayub and Anizahyati Alisibramulisi</p>

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	<p>STRENGTH AND BEHAVIORS OF DRY-JOINT RETAINING NANO-BLOCK Poungchompu Pongsagorn, Buyarat Tanakrit, Bubpi Attaphol</p> <p>ASSESSMENT OF STRENGTH PARAMETERS OF UNREINFORCED MASONRY (URM) BLOCKS IN HERITAGE STRUCTURES IN THE PHILIPPINES Lessandro Estelito Garciano, Darlene Clarice Campado, Nitchell Andrei Castillo, Mary Grace Odiamar, and Marcelino Tongco, Jr.</p> <p>EFFICIENCY OF INDIAN BORAGE ESSENTIAL OIL AGAINST COWPEA BRUCHIDS Ruchuon Wanna and Phanthiwa Kwang-Ngoen</p> <p>TENSILE CREEP BEHAVIOR CONSIDERING YOUNG'S MODULUS DEVELOPMENT OF FLY ASH CONCRETE AT EARLY AGE Yuki Watanabe, Yoichi Mimura, Vanissorn Vimonsatit, Isamu Yoshitake and Itaru Horiguchi</p> <p>ANALYSIS OF TRAFFIC ENVIRONMENT AND DYNAMIC BEHAVIOR OF BRIDGE GIRDERS BASED ON IMAGE SENSING TECHNIQUES Kouichi Takeya, Koharu Ota, Shiho Takagi and Junji Yoshida</p> <p>GEOSPATIAL PREDICTION OF SOIL EROSION USING MODIFIED BIVARIATE FREQUENCY RATIO TECHNIQUE Abdulkadir Taofeeq Sholagberu, Muhammad Raza Ul Mustafa, Khamaruzaman Wan Yusof, Ahmad Mustafa Hashim, Muhammad Waris A. Khan</p> <p><u>1350-1550 Oral Session 12 (Room B) 14X8mins Wednesday, 14 November</u> Chair: Prof. Ken Kawamoto, A/Prof. Aatretchian Mohammadreza 4532, 4658, 4709, 4710, 4728, 4738, 4739, 4749, 4782, 4786, 4799, 4822, 4849</p> <p>GAP COMPETENCY ANALYSIS FOR EMPLOYEE OF ANIMAL FEED WAREHOUSE DEPARTMENT Siti Rochaeni, Siska Nurita, Eny Dwiningsih and Farahdita Soeyatno</p>
1350-1550	<p>CONSTRUCTION AND ANALYSIS OF M-POINT NON-STATIONARY SUBDIVISION SCHEME Mehwish Bari, Najma Abdul Rehman and Mehboob Alam</p> <p>SIMULATION SEA SURFACE TEMPERATURE OVER GULF OF THAILAND BY USING ROMS MODEL Pramet Kaewmesri, Usa Humphries and Zhu Jiang</p> <p>DATA BASE STRUCTURE MANAGEMENT INFORMATION SYSTEM LAND ALLOCATION IN SPATIAL PLANNING Sarino, Dinar DA Putranto, Agus Lestari Yuono, and I.C. Juliana</p> <p>EFFECTS OF PLANTING SUBSTRATES SUPPLEMENTED WITH VERMICOMPOST AND VERMICOMPOST FORTIFIED WITH <i>Trichoderma asperellum</i> CB-PIN-01 ON GROWTH AND PYTHIUM ROOT ROT OF LETTUCE Phraomas Charoenrak, Chiradej Chamswarn, Wanwilai Intanoo and Naowarat keawprasert</p> <p>EFFECT OF OZONE MICROBUBBLES WITH VARIOUS TEMPERATURES ON THE CHLORPYRIFOS INSECTICIDE REMOVAL IN TANGERINE CV. SAI NAM PHUENG Wirin Singtoraj, Jamnong Uthaibutra and Kanda Whangchai</p> <p>EFFECTS OF ACIDIC ELECTROLYZED WATER WITH DIFFERENT TEMPERATURES ON MICROBIAL CONTROL AND QUALITY OF FRESH-CUT BANANA LEAVES DURING STORAGE Varumporn Kuljaroensub, Kanda Wangchai and Usawadee Chanasut</p> <p>IMMEDIATE EFFECTIVENESS OF HERBAL STEAM ON CERVICAL RANGE OF MOTION WITH STRESS IN THE ELDERLY Champorn Kongmong, Peerada Damapong and Pongmada Damapong</p> <p>EFFECTS OF LOW INTENSITY EXERCISES ON BODY BALANCE AND MUSCLE STRENGTH OF COMMUNITY ELDERLY PEOPLE Worawut Chompooan, Warangkana Chompooan, Wichai Eungpinichpong, and Wilai Eungpinichpong</p>

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1350-1550	<p>EFFECT OF HARVESTING STAGES ON JELLY SEED SYMPTOM OF PLANGO (<i>Bouae burmanica</i>) CV. THUNL KLAO FRUITS Pattarawan Wattanakeebot and Usawadee Chanasut</p> <p>THE USE OF FISH AGGREGATING DEVICES (FAD'S) TO REDUCE DESTRUCTIVE FISHING IN PACITAN COASTAL INDONESIA Tuty Handayani, Cinthia, Jarot Mulyo Semedi and Sajiharjo Marto Suro</p> <p>ANTIMICROBIAL RESISTANCE IN SALMONELLA ISOLATED FROM BEEF IN UPPER NORTHEASTERN THAILAND Natthamon Tangjitwattanachai and Denpong Sakhong</p>
1550-1610	<i>Afternoon Refreshments</i>
1610	<i>Closure of the Conference</i>
Wednesday, 14 November 2018 Poster Session (2)	
0900-1200	<p><u>Poster Session-2 (hang at 0900 ~ , remove at 1200) Q&A 1030</u> 4596, 4629, 4635, 4641, 4681, 4695, 4707, 4726, 4742, 4756, 4792</p> <p>THE ANALISIS OF RIVER RUNOFF IN THE ABUKUMA RIVER BASIN Masanobu Taniguchi and Hiroyuki Ii</p> <p>EFFECTS OF PIPERACEAE PLANTS EXTRACTS ON INHIBITION OF ASPERGILLUS FLAVUS AND SEED GERMINATION OF MAIZE (<i>ZEA MAYS</i>) Chujedton, A. and Boonkorn, P.</p> <p>INVESTIGATION OF CHANGES IN INDOOR RADON CONCENTRATIONS BEFORE AND AFTER SEISMIC ACTIVITIES IN GYEONGJU AND POHANG, KOREA Hanyoung Joo, Jae Wook Kim and Joo Hyun Moon</p> <p>STUDY ON ADSORPTION PERFORMANCE OF FOOD WASTES FOR VARIOUS HEAVY METALS Keiichiro Shibata, Hidenori Yoshida, Tsumugi Inoue, Matsumoto Naomichi and Yoshihiro Suenaga</p> <p>UTILIZATION OF WATER QUALITY MODELING TO DETERMINE MAXIMUM BOD LOAD OF UPSTREAM CITARUM RIVER Yonik Meilawati Yustiani, Sri Wahyuni and Syarifah Nur Fitria Dewi</p> <p>EFFECTS OF WATERSHED TOPOGRAPHY AND LAND USE ON BASE FLOW HYDROLOGY IN EQUATORIAL REGION: A CASE STUDY IN UPPER KOMERING WATERSHED SOUTH SUMATERA, INDONESIA Rosmalinda Permatasari, Arwin Sabar, Dantje Kardana Natakusumah and Hazairin Samaulah</p> <p>THE COMPLEX OF FIELD PILING STATIC LOADING TESTS ON AKSAI, NORTHWEST KAZAKHSTAN Askar Zhussupbekov, Iwasaki Yoshinori, Abdulla Omarov, Karlygash Borgekova and Sungat Akhazhanov</p> <p>EFFECTS OF SEED PREPARATION, SOWING MEDIA, SEED SOWING RATE AND HARVESTING PERIOD ON THE PRODUCTION OF CHIA MICROGREENS Anjana Junpatiw, Akarapon Sangpitu</p> <p>ESTIMATION OF GROUNDWATER RECHARGE AND SALINIZATION IN A COASTAL ALLUVIAL PLAIN AND OSAKA MEGACITY, JAPAN, USING $\delta^{18}\text{O}$, δD, AND Cl^- Yusuke Tomozawa, Shin-ichi Onodera, Mitsuyo Saito</p>

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0900-1200	<p>ESTIMATION OF SEDIMENTATION RATE AND FRESH-SALINE ENVIRONMENT IN A COASTAL ALLUVIAL PLAIN, USING BORING CORES OF ALLUVIUM IN THE CENTRAL PART AREA OF SETO INLAND SEA, JAPAN Tohru Takeuchi, Shin-ichi Onodera, Kazuhiro Yamaguchi and Koiti Kitaoka</p> <p>INVESTIGATION OF CATHEPSIN B (CTSB) and CATHEPSIN L (CTSL) POLYMORPHISM FOR CARCASS AND MEAT QUALITY IN SWINE Doungnapa Promket, Kajorngiat Nabundit, and Khanitta Ruangwittayanusorn</p>
<p>Wednesday, 14 November 2018 Poster Session (3)</p>	
1300-1610	<p>Poster Session-3 (hang at 1300 ~ , remove at 1610) Q&A 1550 4631, 4801, 4808, 4813, 4816, 4823, 4824, 4840, 4841, 4851, 4861, 4863</p> <p>STUDY ON REMOVAL OF CONTAMINATED SOIL ON FOREST SLOPE FOCUSING ON DIFFERENCE IN DENSITY OF SUBSURFACE GROUND Keiichiro Shibata, Hidenori Yoshida, Daisuke Matsumori, Matsumoto Naomichi and Kazushi Moriki</p> <p>USING BEEF MORPHOLOGY TO PREDICT CARCASS WEIGHT WHICH CUTTING IN THAI-ISAAN STYLE Khanitta Ruangwittayanusorn, Doungnapa Promket, Songsak Champawadee, Jaturaput Muapkunton, Ornicha Sriboon, Kewlin Pukkawan</p> <p>PRODUCTION OF ETHYL ESTER BIODIESEL FROM USED COOKING OIL WITH ETHANOL AND ITS QUICK GLYCEROL-BIODIESEL LAYER SEPARATION USING PURE GLYCEROL Mallika Tapanwong, Vittaya Punsuvon</p> <p>DETERMINATION OF CAROTENOIDS AND DOBI CONTENT IN CRUDE PALM OIL BY SPECTROSCOPY TECHNIQUES: COMPARISON OF RAMAN AND FT-NIR SPECTROSCOPY Rayakorn Nokkaew, Vittaya Punsuvon, Tetsuya Inagaki and Satoru Tsuchikawa</p> <p>PRODUCTION OF Cu MICROPARTICLES UTILIZING HIGH PURITY Cu DENDRITE CRYSTALS AND DEVELOPMENT OF CONDUCTIVE PAINTS Junya Kuroda, Risa Uda, Honoka Tanabe, Kimihiro Yamanaka and Hirohisa Taguchi</p> <p>DIFFUSION OF MERCURY FROM ARTISANAL SMALL-SCALE GOLD MINING (ASGM) SITES IN MYANMAR Tomonori Kawakami, Misa Konishi, Yuki Imai and Pyae Sone Soe</p> <p>REMOVING ARSENIC AND FLUORIDE FROM HOT SPRING WATER BY ELECTROLYSIS Yuki Imai, Misa Konishi, and Tomonori Kawakami</p> <p>DAMAGE DETECTION OF TRUSS STRUCTURES BY APPLYING MACHINE LEARNING ALGORITHMS Koji Unno, Atsushi Mikami and Masaki Shimizu</p> <p>DAMAGE DETECTION OF TRUSS STRUCTURES BASED ON VIBRATION CHARACTERISTICS Masaki Shimizu, Atsushi Mikami and Koji Unno</p> <p>STUDY OF QUALITY AND CONSUMER TEST OF EMULSION SAUSAGE FROM BUFFALO AND TURKEY MEAT Thassawan Somchan and Suthipong Uriyapongson</p> <p>AN AGENT-BASED SUPPLY CHAIN NETWORK WITH QUALITY AGENT MEDIATORS FOR QUALITY COORDINATION C.Y. LAM</p> <p>DESIGN, ANALYSIS, FABRICATION AND ANALYSIS OF SMALL WATER TURBINE Gwo-Chung Tsai</p>
1610	<i>Closure of the Conference</i>

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Thursday, 15 November 2018

1300-1600

Technical Tour

SEE 2019

Bangkok, Thailand

Invitation to participate

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