

Oral Session

Room1 Water Quality

1-1	Nov.20 15:15 – 15:35	TRACE TOXIC ELEMENTS IN AGRICULTURAL SOIL AND SEDIMENT IN THE BIGGEST ESTUARINE AREA, NORTHERN VIETNAM <i>NGUYEN VAN THINH, AKINORI OZAKI, YASUHIRO OSANAI, KIYOSHI KUROSAWA</i>
1-2	Nov.20 15:35 – 15:55	RICE PLANT GROWTH AND NUTRIENT LEACHING UNDER DIFFERENT PATTERNS OF SPLIT CHEMICAL FERTILIZATION ON SANDY SOIL USING A POT <i>SENGTHONG PHONGCHANMIXAY, PHANTHASIN KHANTHAVONG, THANOUPHONE KHANTHAVONG, HIROSHI IKEURA, NARUO MATSUMOTO, KENSUKE KAWAMURA</i>
1-3	Nov.20 15:55 – 16:15	Pattern and mechanism of nitrogen removal from rice paddy drainage by eco-ditches <i>Huanhao Han, Rong Gao, Yuanlai Cui, Ying Huang, Shizhou Shenc</i>
1-4	Nov.20 16:15 – 16:35	SPECIATION VARIATION AND AVAILABILITY OF PHOSPHORUS IN PADDY SOIL <i>SHINJI SAKURAI, YASUAKI NISHIURA, HARUHIKO HORINO, TAKAO NAKAGIRI</i>
1-5	Nov.20 16:35 – 16:55	ASPECTS OF COLLOID AND INTERFACE IN THE ENGINEERING SCIENCE OF SOIL AND WATER PLACING AN EMPHASIS ON THE FLOCCULATION BEHAVIOR OF MODEL PARTICLES <i>YASUHISA ADACHI</i>
1-6	Nov.20 16:55 – 17:15	REDUCTION OF N, P, SS EFFLUENT LOAD FROM PADDY FIELD BY NON-RELEASE PONDING WATER TRANSPLANTING USING GNSS STRAIGHT-AHEAD ASSIST RICE TRANSPLANTER <i>Tadashi KONDOH, Yoshisada NAGASAKA, Yukio YAJI, Hayato SHINDO, Masaya KATO, Masanori SAITO, Koki FUJIWARA</i>

Room2 Climatology

2-1	Nov.20 15:15 – 15:35	Estimation of The Green House Gas Emissions from Paddy Irrigation Districts Using The Drone Technology <i>Jinseok Park, Woojin Kim, Inhong Song</i>
2-2	Nov.20 15:35 – 15:55	RETRIEWL OF SPATIALSTRUCTURE OF VETETATION USING 3D REMOTE SENSING TECHNIQUE <i>KENTA ITAKURA, FUMIKI HOSOI</i>
2-3	Nov.20 15:55 – 16:15	APPLICATION OF GCOM-C SGLI FOR AGRICULTURAL WATER MANAGEMENT VIA FIELD EVAPOTRANSPIRATION <i>MASAHIRO TASUMI, MASAO MORIYAMA, YOSHINORI SHINOHARA</i>
2-4	Nov.20 16:15 – 16:35	ESTIMATION OF PLANTING DATE IN PADDY FIELDS BY TIME-SERIES MODIS DATA FOR BASIN-SCALE RICE PRODUCTION MODELLING <i>KUMIKO TSUJIMOTO, TETSU OHTA, YOSHIHIRO HIROOKA, KOKI HOMMA</i>
2-5	Nov.20 16:35 – 16:55	UTILIZATION OF DESIL INDEX IN DROUGHT ANALYSIS CASE STUDY : ROKAN WATERSHED RIAU PROVINCE, INDONESIA <i>USSY ANDAWAYANTI, RAHMAH DARA LUFIRA, RIZKINA DYAH AWALITA</i>
2-6	Nov.20 16:55 – 17:15	Analysis of Precipitation Depth Based on Climatology Condition Using Artificial Neural Network <i>VERY DERMAWAN, YUZ ALFAHNIE</i>

Room3 Eco-system Service

3-1	Nov.20 15:15 – 15:35	ENVIRONMENTAL FLOW ASSESSMENT IN GODAVARI BASIN USING SPI <i>S. K. MISHRA, KUMAR AMRIT, R. P. PANDEY</i>
3-2	Nov.20 15:35 – 15:55	ASSESSMENT OF WATER QUALITY IN SMALL AGRICULTURAL PONDS IN NARA, JAPAN <i>Yutaka Matsuno, Yoko Kishi, Nobumasa Hatcho</i>
3-3	Nov.20 15:55 – 16:15	PERCEPTION AND VALUATION OF PADDY FIELD DAM FUNCTION BY RURAL COMMUNITIES – A CVM APPROACH – <i>Takafumi Oishi, Ryota Nakano, Yutaka Matsuno</i>
3-4	Nov.20 16:15 – 16:35	PADDY FIELDS AS ARTIFICIAL AND TEMPORAL WETLAND <i>TSUGIHIRO WATANABE</i>
3-5	Nov.20 16:35 – 16:55	THE SIGNIFICANCE OF WATARASE-YUSUICHI FROM THE VIEWPOINT OF WATER SUSTAINABILITY <i>MIKIKO SUGIURA</i>
3-6	Nov.20 16:55 – 17:15	Analyzing Flood Regulating Function of Paddy Fields in a Small Basin Scale in Nara, Japan <i>Yutaka Matsuno, Kohei Miyoshi, Hayate Takahashi, Hirofumi Okumura, Nobumasa Hatcho</i>

Room4 Land-use Planning

4-1	Nov.20 15:15 – 15:35	EVALUATION OF WORKSHOP METHOD TO PROMOTE ACCUMULATION OF FARMLANDS TO CORE-FARMERS <i>SOJI SHINDO, TOSHIFUMI ASHIDA</i>
4-2	Nov.20 15:35 – 15:55	PUBLIC-PRIVATE COLLABORATION IN ALLOTMENT GARDEN OPERATION HAS THE POTENTIAL TO PROVIDE ECOSYSTEM SERVICES TO URBAN DWELLERS MORE EFFICIENTLY <i>SHIZUKA HASHIMOTO, YUTA SATO, HIDETSUGU MORIMOTO</i>
4-3	Nov.20 15:55 – 16:15	PARTICIPATORY EVALUATION OF LANDSCAPE RESILIENCE FOR STRATEGIC PLANNING AND MONITORING OF A PADDY-DOMINATED LANDSCAPE: A CASE STUDY OF TAIWAN <i>KUANG-CHUNG LEE, SHAO YU YAN</i>
4-4	Nov.20 16:15 – 16:35	Land use classification of small agricultural parcels using multiple synthetic aperture radar images <i>TAKANORI NAGANO, ABUDUKEREMU AINALIBANU, YOICHI FUJIHARA, NATSUKI YOSHIKAWA</i>
4-5	Nov.20 16:35 – 16:55	ACTUAL CONDITIONS AND PROBLEMS OF LAND USE PLANNING SYSTEMS IN VIETNAM <i>PUN ISHWAR, HATTORI TOSHIHIRO, YAMAJI EIJI</i>
4-6	Nov.20 16:55 – 17:15	CONSENSUS BUILDING PROCESS OF LAND CONSOLIDATION PROJECTS IN MYANMAR <i>JUNYA HANADA, AKIRA HASHIMOTO, NOBUTOSHI EGUCHI</i>

Room6 Failure Mechanism

6-1	Nov.20 15:15 – 15:35	THE TENDENCY OF DAMAGE OF STONE WALLS IN TERRACE FIELDS IN THE NORTHWESTERN KUMAMOTO CITY BY THE 2016 KUMAMOTO EARTHQUAKE AND HEAVY RAIN IN 2016 AND 2006 <i>KENJI OKAJIMA, SHOKO NISHIWAKI</i>
6-2	Nov.20 15:35 – 15:55	SURVEY OF AGRICULTURAL RESERVOIRS DAMAGED BY THE JULY 2017 TORRENTIAL RAINS IN NORTHERN KYUSHU, JAPAN <i>AKINORI OZAKI, KAZUAKI HIRAMATSU, TAKEHIDE HAMA</i>
6-3	Nov.20 15:55 – 16:15	FAILURE CASES OF GREENHOUSE CONSIDERING VARIOUS BOUNDARY CONDITIONS UNDER SNOW LOAD <i>SANGIK LEE, WON CHOI, SEUNGJAE LEE, JOONGU LEE, JONGHYUK LEE, YOUNGJOON JEONG</i>
6-4	Nov.20 16:15 – 16:35	EXPERIMENTAL STUDY ON SEEPAGE CHARACTERISTICS OF RESERVOIR EMBANKMENT CONSIDERING INTERVAL OF HORIZONTAL FILTER <i>YOUNGHAK LEE, HYUCKGI HONG, JAESUNG PARK, KAZUNORI FUJISAWA, AKIRA MURAKAMI, DALWON LEE</i>
6-5	Nov.20 16:35 – 16:55	EVALUATION OF STRENGTH DISTRIBUTION AT CUT SLOPE OF DECOMPOSED GRANITE WITH USE OF SOUNDING METHOD AND GEOPHYSICAL EXPLORATION METHOD <i>TATSUYA UETA, SHIN-ICHI NISHIMURA, KAZUNARI IMAIDE, TOSHIFUMI SHIBATA, TAKAYUKI SHUKUK</i>
6-6	Nov.20 16:55 – 17:15	SLOPE STABILITY EVALUATION OF AGRICULTURAL EMBANKMENT BY STATISTICALLY DERIVED RAINFALL PATTERNS <i>JAESUNG PARK, KHONESAVANH VILAYVONG, KAZUNORI FUJISAWA, AKIRA MURAKAMI</i>

Room7 Disaster and Mitigation

7-1	Nov.20 15:15 – 15:35	IMPACT OF CLIMATE CHANGE ON WATER SUPPLY FOR TSENGWEN-WUSHANTOU AREA IN SOUTHERN TAIWAN <i>WEN-CHENG HUANG, HSIU-MING CHANG, CHIA-YUN CHIA, TAI-YI CHU</i>
7-2	Nov.20 15:35 – 15:55	APPLICATION OF ALTERNATE WETTING AND DRYING (AWD) IRRIGATION IN THE MEKONG DELTA, VIETNAM <i>KENICHI UNO, KENJI ISHIDO, NGUYEN XUAN LOC, NGUYEN HUU CHIEM</i>
7-3	Nov.20 15:55 – 16:15	UNVEILING A VOLUNTARY FARMLAND REGISTRATION PROGRAM TO SECURE OPEN SPACE FOR RISK REDUCTION AND POST-DISASTER RESTORATION FROM EARTHQUAKES: LESSONS LEARNED FROM PRACTICES IN CHUKYO AND KINKI, JAPAN <i>TSUYOSHI SAWASAKI, SHIZUKA HASHIMOTO, TOMOYA KISHIOKA</i>
7-4	Nov.20 16:15 – 16:35	EVALUATION OF RECENT DROUGHT CONDITIONS BY STANDARDIZED PRECIPITATION INDEX AND POTENTIAL EVAPOTRANSPIRATION OVER INDONESIA <i>YUDHI PRAMUDYA, TAKEO ONISHI, MASATERU SENGE, KEN HIRAMATSU, MOHAMMAD RIDWAN NUR PRASETYO, KOMARIAH</i>
7-5	Nov.20 16:35 – 16:55	WEATHER-INDUCED ECONOMIC DAMAGES OF UPLAND CROPS AND IT' S IMPACT ON FARMERS HOUSEHOLD INCOME in Northeast Thailand <i>KOSHI YOSHIDA, MALLIKA SRISUTHAM, SUPRANEE SRITUMBOON, DESELL SUANBURI, NARUEKAMON JANJIRAUTTIKUL</i>
7-6	Nov.20 16:55 – 17:15	EVALUATION OF WATER CONSERVATION DESIGN STANDARD OF AGRICULTURAL RESERVOIRS UNDER CLIMATE CHANGE <i>CHO, GUN-HO, MIRZA JUNAID AHMAD, CHOI, KYUNG-SOOK, WON-HO NAM, HYUNG-JOONG KWON</i>

Room8 Flood and Water Management

8-1	Nov.20 15:15 – 15:35	FLOOD DAMAGE ASSESSMENT ON RICE CROP IN THE STUNG SEN RIVER BASIN OF CAMBODIA <i>SARIT CHUNG, JUNICHIRO TAKEUCHI, MASAYUKI FUJIHARA</i>
8-2	Nov.20 15:35 – 15:55	EFFECT OF LAND USE CHANGING ON EROSION AND SEDIMENTATION CASE STUDY : COMAL WATERSHED PEMALANG DISTRICT, INDONESIA <i>RAHMAH DARA LUFIRA, USSY ANDAWAYANTI, SEBRIAN MIRDEKLIS BESELLY, M AMAR SAJALI, GADING KOMALA PRAMESI</i>
8-3	Nov.20 15:55 – 16:15	IMPACTS OF THE VARIABILITY OF WATER SUPPLY ON RICE PRODUCTION IN PURSAT RIVER BASIN, CAMBODIA <i>DAVY SAO, TASUKU KATO, CHANTHA OEURNG</i>
8-4	Nov.20 16:15 – 16:35	QUANTIFICATION OF WATER BALANCE IN TERRACED PADDY FIELD IN NORTHERN BALI BY USING REMOTE MONITORING <i>SATYANTO KRIDO SAPTOMO, BUDI INDRA SETIAWAN, CHUSNUL ARIF, YOSHIYUKI SHINOGLI, JUMPEI KUBOTA</i>
8-5	Nov.20 16:35 – 16:55	ASSESSING FUTURE WATER–SEDIMENT INTERACTION AND CRITICAL AREA PRIORITIZATION AT SUB–WATERSHED LEVEL FOR SUSTAINABLE MANAGEMENT <i>ASHISH PANDEY, SANTOSH S. PALMATE</i>
8-6	Nov.20 16:55 – 17:15	SIZE VARIATION OF THE MAJOR LAKES IN THE MIDDLE AND LOWER YANGTZE RIVER AFTER BUILDING THREE GORGES DAM <i>LIN LI, HUI XIA, HAIHONG ZHU, ZHENG LI, ZHIJUN ZHANG</i>

Room1 Water Productivity

1-7	Nov.21 9:00 – 9:20	APPLYING TROPICAL PERENNIAL RICE FARMING SYSTEMS (SALIBU TECHNOLOGY) AND INCREASING WATER PRODUCTIVITY IN MYANMAR AND GHANA <i>KAZUMI YAMAOKA, KHIN MAR HTAY, ERDIMAN, RESFA FITRI, JOSEPH OFORI</i>
1-8	Nov.21 9:20 – 9:40	PERFORMANCE OF RING–SHAPED EMITTER FOR SUBSURFACE RING–SHAPED EMITTER ON BELL PEPPER (<i>Capsicum annum L.</i>) CULTIVATION <i>RESKIANA SAEFUDDIN, HIROTAKA SAITO</i>
1-9	Nov.21 9:40 – 10:00	VARIATION IN LOWLAND RICE YIELD AND ITS DETERMINANTS IN A RAINFED AREA IN SAVANNAKHET PROVINCE, LAOS <i>HIROSHI IKEURA, SENGTHONG PHONGCHANMIXAY, AMPHONE CHOMXAYTHONG, NARUO MATSUMOTO, KENSUKE KAWAMURA, LAEH HOMSENGCHANH, SOMPHONE INKHAMSENG</i>
1-10	Nov.21 10:00 – 10:20	SUITABLE INFLOW RATE AND FURROW LENGTH FOR SIMPLIFIED SURGE FLOW IRRIGATION <i>JUNYA ONISHI, HIROSHI IKEURA, GAUKHAR K. PALUASHOVA, YULIA I. SHROKOVA, YOSHINOBU KITAMURA, HARUYUKI FUJIMAKI</i>
1-11	Nov.21 10:20 – 10:40	CAN CROP MODELING SUCCESS WITH ESTIMATED SOIL HYDRAULIC PARAMETERS? <i>MHJP GUNARATHNA, KAZUHITO SAKAI, MKN KUMARI</i>
1-12	Nov.21 10:40 – 11:00	WATER BALANCE ANALYSIS ON WATER MANAGEMENT OF ORGANIC SYSTEM OF RICE INTENSIFICATION (ORGANIC–SRI) IN WEST JAVA, INDONESIA <i>CHUSNUL ARIF, BUDI INDRA SETIAWAN, SEPTIAN FAUZI DWI SAPUTRA, SATYANTO KRIDO SAPTOMO, ARDIANSYAH, MASARU MIZOGUCHI, NORMAN UPHOFF</i>

Room2 Irrigation System

2-7	Nov.21 9:00—9:20	CONVERGENCE TO STEADY STATES OF OPEN CHANNEL FLOWS IN A PADDY IRRIGATION CANAL SYSTEM WITH PONDS <i>SOVANNA MEAN, KOICHI UNAMI, A.H.M.B. ALAM, MASAYUKI FUJIHARA</i>
2-8	Nov.21 9:20—9:40	EFFECTIVE AND CONVENIENT WATER MANAGEMENT BY TELE-METERING AND CONTROLLING CHECK GATES IN MAIN OPEN CANAL <i>NARITAKA KUBO</i>
2-9	Nov.21 9:40—10:00	MANAGING WATER “ON DEMAND” BASIS FOR FARMERS IN LARGE SCALE IRRIGATION PROJECTS IN SRI LANKA <i>T RANASINGHE</i>
2-10	Nov.21 10:00—10:20	DEMAND AND SUPPLY BALANCE ANALYSIS IN IRRIGATION PLAN TOWARDS IMPROVEMENT OF WATER USE EFFICIENCY—Case study of water balance simulation of Mwea Irrigation Scheme, Kenya— <i>AKOKO GEORGE OTIENO, TASUKU KATO</i>
2-11	Nov.21 10:20—10:40	DEVELOPMENT OF AN OPTIMIZING METHOD FOR THE OPERATION RULE CURVES OF MULTI-PURPOSE RESERVOIR IN SOUTHEAST ASIAN WATERSHED <i>ASARI TAKADA, KAZUAKI HIRAMATSU, TRIEU ANH NGOC, MASAYOSHI HARADA, TOSHINORI TABATA</i>
2-12	Nov.21 10:40—11:00	REAL-TIME QUALITY CONTROL OF RESERVOIR WATER LEVEL DATA <i>MAGA KIM, JIN-YONG CHOI</i>

Room3 Energy and Gas Emission

3-7	Nov.21 9:00—9:20	ACHIEVING A SUSTAINABLE FOOD, WATER AND ENERGY MANAGEMENT BY SIMULTANEOUS EQUATIONS MODELING UNDER THE PRESSURE OF URBANIZATION IN RURAL AREAS <i>CHUN YUEH LIN, CHIHHAO FAN</i>
3-8	Nov.21 9:20—9:40	METHANE PRODUCTION AND NITROGEN MINERALIZATION IN PADDY SOIL TREATED WITH SLUDGE FROM ANAEROBIC DIGESTION ENHANCED BY HYPERTHERMOPHILIC PRETREATMENT <i>MASATO NAKAMURA, TAIRA HIDAKA, MASARU YAMAOKA, FUMIKO ORITATE</i>
3-9	Nov.21 9:40—10:00	EVALUATING WEF RELATIONSHIP FOR THE GREENHOUSE FARMING IN KOREA <i>KWIHOON KIM, PUREUN YOON, YOONHEE LEE, JIN-YONG CHOI</i>
3-10	Nov.21 10:00—10:20	GREENHOUSE GAS EMISSION POTENTIAL OF SRI PADDY PRODUCTION UNDER VARIOUS WATER TABLE APPLICATIONS <i>NUR AINI ISWATI HASANAH, BUDI INDRA SETIAWAN, CHUSNUL ARIF, SLAMET WIDODO, NORMAN UPHOFF</i>
3-11	Nov.21 10:20—10:40	WATER AND FOOD RELATIONSHIP EVALUATION ON WEF NEXUS FOR UPLAND CROPS IN KOREA <i>PUREUN YOON, YOON-HEE LEE, KWI-HOON KIM, JIN-YONG CHOI</i>
3-12	Nov.21 10:40—11:00	ASSESSMENT OF REGIONAL DIFFERENCES IN RURAL RESOURCES BY NEXUS-BASED ANALYSIS <i>YOONHEE LEE, JIN-YONG CHOI, PUREUN YOON, KWIHOON KIM</i>

Room4 Rice Production

4-7	Nov.21 9:00—9:20	SALIBU TECHNOLOGY IN INDONESIA: AN ALTERNATIVE FOR EFFICIENT USE OF AGRICULTURAL RESOURCES TO ACHIEVE SUSTAINABLE FOOD SECURITY <i>RESFA FITRI, ERDIMAN, NUNUNG KUSNADI, KAZUMI YAMAOKA</i>
4-8	Nov.21 9:20—9:40	PADDY IRRIGATION DEVELOPMENT CONSIDERING THE RICE VALUE CHAIN IN THE LAKE VICTORIA BASIN OF KENYA <i>YUTAKA SUMITA, SUSUMU SUGATANI, MAMORU WATANABE</i>
4-9	Nov.21 9:40—10:00	ADDING VALUE TO PADDY FARMING THROUGH INTRODUCING JAPONICA RICE TO THE MWEA REGION OF KENYA <i>MAMORU WATANABE, YUTAKA SUMITA, JUNA KURIHARA</i>
4-10	Nov.21 10:00—10:20	WATER PRODUCTIVITY ANALYSIS AT IRRIGATED AREA OF CENTRAL RICE PRODUCTION OF SOLOK REGENCY, INDONESIA <i>NOVA ANIKA, TASUKU KATO</i>
4-11	Nov.21 10:20—10:40	THE IMPACT OF SYSTEM OF RICE INTENSIFICATION: EVIDENCE FROM A LARGE SCALE TWO-PERIOD RANDOMIZED FIELD EXPERIMENTS <i>CHRISTOPHER B. BARRETT, ASAD ISLAM, ABDUL MALEK, DEBAYAN PAKRASHI, UMMUL RUTHBAH</i>
4-12	Nov.21 10:40—11:00	HIGH YIELD AND NUTRITIONAL QUALITY OF RICE FOR ANIMAL FEED ACHIEVED BY CONTINUOUS IRRIGATION OF TREATED MUNICIPAL WASTEWATER <i>LANH DANH TRAN, LUC DUC PHUNG, DUNG VIET PHAM, DONG DUY PHAM, MASATERU NISHIYAMA, ATSUSHI SASAKI, TORU WATANABE</i>

Room8 Soil and Water Environment

8-7	Nov.21 9:00—9:20	WATER MANAGEMENT SYSTEM DESIGN, HYDRODINAMIC AND SEDIMENT PATTERN IN FISHPOND SYSTEM <i>JADFAN SIDQI FIDARI, PITOJO TRI JUWONO, MOHAMMAD BISRI, MAFTUCH</i>
8-8	Nov.21 9:20—9:40	WHEN DO RICE TERRACES BECOME RICE TERRACES? <i>YASUSHI MORI, MASAYA SASAKI, EISEI MORIOKA, KUMIKO TSUJIMOTO</i>
8-9	Nov.21 9:40—10:00	SPATIAL DISTRIBUTION OF SPAWNING REDDS AND LARVAE OF RHINOGOBIUS FLUMINEUS IN RELATION TO HYDROGEOMORPHOLOGICAL CHARACTERISTICS IN KAMO RIVER, JAPAN <i>KOHEI YOKOTA, YASUHIRO TAKEMON, MASAYUKI FUJIHARA</i>
8-10	Nov.21 10:00—10:20	STUDY ON WATER STRESS DISTRIBUTION OF RICE PRODUCTION IN TERRACED PADDY FIELDS <i>ATIQTUN FITRIYAH, TASUKU KATO</i>
8-11	Nov.21 10:20—10:40	CONSERVATION AND ORDER ESTABLISHMENT OF AGRICULTURAL LAND IN URBANIZED AREA IN JAPAN <i>YAMAJI EIJI</i>

Room1 Water Quality Modeling

1-13	Nov.21 15:30—15:50	TEMPORAL AND SPATIAL CHANGE OF PHOSPHATE-PHOSPHORUS CONCENTRATION WITH CORRELATION TO LAND USE VARIATION IN SENGARI RESERVIOR BASIN, JAPAN <i>KIMENGICH BAOBAB KIBET, JUNICHIRO TAKEUCHI, KEITARO GOTO, MASAYUKI FUJIHARA</i>
1-14	Nov.21 15:50—16:10	DEVELOPMENT OF THREE DIMENSIONAL DISSOLVED OXYGEN MODEL IN THE ARIAKE SEA, JAPAN <i>TOSHINORI TABATA, WATARU HAYASHI, AKIHIRO FUKUDA, KAZUAKI HIRAMATSU, MASAYOSHI HARADA</i>
1-15	Nov.21 16:10—16:30	ARE GEOSTATISTICAL INTERPOLATION TECHNIQUES BETTER THAN DETERMINISTIC INTERPOLATION METHODS? A STUDY IN ULAGALLA TANK CASCADE, SRI LANKA <i>M.K.N. KUMARI, KAZUHITO SAKAI, M.H.J.P. GUNARATHNA</i>
1-16	Nov.21 16:30—16:50	EFFECT OF CYCLIC IRRIGATION TO PADDY FIELDS ON THE WATER QUANTITY AND QUALITY IN THE DOWNSTREAM DRAINAGE CANAL <i>TOSHIAKI IIDA, TAKAHIRO ISHIKAWA, MASAOMI KIMURA, HIROKI MINAKAWA, NARITAKA KUBO</i>

Room2 Water flow in Soils

2-13	Nov.21 15:30—15:50	EXPERIMENTAL INVESTIGATIONS ON SOLUTE TRANSPORT BEHAVIOR IN SUBSURFACE DAM CORRESPONDING TO HYDRAULIC BARRIER PERFORMANCE OF CUT-OFF WALL <i>HIROKI TAKADA, KAZUYA INOUE, RINAKO HAMADA, MARIKO SUZUKI, TSUTOMU TANAKA</i>
2-14	Nov.21 15:50—16:10	EVALUATION OF NON-DARCY FLOW AND SOLUTE TRANSPORT IN POROUS MEDIA THROUGH COLUMN EXPERIMENTS <i>TATSUYA KITAJIMA, KAZUYA INOUE, MARIKO SUZUKI, TSUTOMU TANAKA</i>
2-15	Nov.21 16:10—16:30	IMPACTS OF PERFORATED SHEET PIPE INSTALLATION ON SOME PADDY SOIL PROPERTIES <i>YINN MAR SOE, YOSHIYUKI SHINOGI, TOMOYUKI TANIGUCHI</i>
2-16	Nov.21 16:30—16:50	WATER FLOW IN SOILS INSTALLED WITH SHEET-PIPE MOLE DRAINS <i>BUDI INDRA SETIAWAN, HIROSHI MATSUDA, SATYANTO KRIDO SAPTOMO, YOUICHI INOUE, KOREMASA TAMURA</i>

Room3 Water Purification

3-13	Nov.21 15:30—15:50	REMOVING NITROGEN IN DRAINAGE FROM PADDY FIELD BY USING AQUATIC CROP WETLAND <i>QI WEI, JINTAO LIU, JUNZENG XU, LINXIAN LIAO, SHIHONG YANG, YAWEI LI, WEIGUANG WANG, FAZLI HAMEED</i>
3-14	Nov.21 15:50—16:10	A FEASIBILITY STUDY OF RECYCLED AGRICULTURAL RESIDUES INTO BIOCHAR AND ADSORBENT <i>SASIWIMOL KHAWKOMOL, BOONMA PANPRADIST, JUTITHEP VONGPHET</i>
3-15	Nov.21 16:10—16:30	ANALYSIS SELF-PURIFICATION DUE TO DISPOSAL OF ANIMAL SLAUGHTER FACILITIES IN BRANTAS RIVER, EAST JAVA INDONESIA <i>M AMAR SAJALI, RINI WAHYU SAYEKTI, RIYANTO HARIBOWO, MOH. RIDHA PRATAMA</i>
3-16	Nov.21 16:30—16:50	WASTEWATER TREATMENT MODELLING USING FILTRATION MEDIA FROM POROUS CONCRETE MADE OF RECYCLED COARSE AGGREGATE <i>EVI NUR CAHYA, EVA ARIFI, RIYANTO HARIBOWO</i>

Room4 Water Allocation

4-13	Nov.21 15:30—15:50	LOCAL AND REGIONAL MULTISECTOR IDENTIFICATION OF WATER RESERVOIRS FOR RICE PRODUCTION IN COLOMBIA <i>JORGE RUBIANO, ANGELA HIDROBO, CLARA RUBIANO, DARIO PINEDA, SANTIAGO JARAMILLO</i>
4-14	Nov.21 15:50—16:10	A COMPARATIVE ANALYSIS OF TWO PADDY IRRIGATION SCHEMES UNDER CONTRASTING WATER MANAGEMENT OF PARTICIPATORY AND TOP-DOWN SYSTEMS IN UGANDA <i>PAUL AYELLA, ISHII ATSUSHI, SATOH MASAYOSHI</i>
4-15	Nov.21 16:10—16:30	AGENT-BASED MODELING OF WATER ALLOCATION SYSTEM CONSIDERING LABOR-FACTOR- A CASE STUDY OF SUBAK SYSTEM IN BALI, INDONESIA - <i>FUMI OKURA, TASUKU KATO, I WAYAN BUDIASA</i>
4-16	Nov.21 16:30—16:50	IRRIGATION MAMAGEMENT PROBLEMS DERIVED BY AN WUA EVALUATION AT KPONG IRRIGATION SCHEME (KIS) IN GHANA <i>IEKO KAKUTA</i>

Room6 Water Measuring

6-7	Nov.21 15:30—15:50	REEDS AS A CONCRETE ADMIXTURE MATERIAL FOR SUSTAINABLE WATER PURIFICATION <i>MASAHIRO HYODO, SHINYA SHIBAHARA, HIDEHIKO OGATA</i>
6-8	Nov.21 15:50—16:10	STUDY ON AQUIFER HYDRAULIC PROPERTIES USING TIDAL RESPONSE METHOD FOR FUTURE GROUNDWATER DEVELOPMENT <i>KATSUSHI SHIRAHATA, SHUHEI YOSHIMOTO, TAKEO TSUCHIHARA, SATOSHI ISHIDA</i>
6-9	Nov.21 16:10—16:30	NATIONAL-SCALE VARIATIONS IN THE STABLE ISOTOPIC COMPOSITIONS OF IRRIGATION-POND AND SPRING WATERS ACROSS JAPAN <i>TAKEO TSUCHIHARA, KATSUSHI SHIRAHATA, SHUHEI YOSHIMOTO, SATOSHI ISHIDA</i>
6-10	Nov.21 16:30—16:50	POSSIBILITY OF QUANTITATIVE ASSESSMENT OF THE CONTRIBUTION OF PADDY IRRIGATION AND CALDERA LAKES TO RIVER WATER IN BALI ISLAND USING WATER ISOTOPIC PHYSICS <i>TAKAO NAKAGIRI, HISAAKI KATO, SEIJI MARUYAMA, SATOKO HASHIMOTO, HARUHIKO HORINO, SHINJI SAKURAI</i>

Room8 Water-related Disaster

8-12	Nov.21 15:30—15:50	RISK OF PADDY FIELD DAMAGE DUE TO RIVER BANK BREACH DURING SERIOUS FLOOD <i>TETSURO TSUJIMOTO, KUMIKO TSUJIMOTO</i>
8-13	Nov.21 15:50—16:10	STUDY ON ASSUMPTION OF FLOOD DISCHARGE BY INVERSE ANALYSIS USING MPS METHOD AND ON MEASURES TO MITIGATE FLOOD DAMAGE OF OPEN CHANNELS CAUSED BY SNOWMELT <i>TAKASHI ABE, YUKI IMURA, MICHIIHIKO KOJIMA</i>
8-14	Nov.21 16:10—16:30	VERIFICATION OF CHAIN BREAK ANALYSIS FOR SMALL EARTHFILL DAM - APPLICATION OF THE METHOD SUBJECTED TO AN ACTUAL BREAK CASE- <i>DAISUKE SHODA, TOSHIKAZU HORI, HIROSHI YOSHISAKO, HIROSHI AKI, SHINICHI NAGAO, MANABU MIYOSHI</i>
8-15	Nov.21 16:30—16:50	LEAK DETECTION BY MONITORING PRESSURE FOR PREVENTING DESTRUCTION OF AGRICULTURAL PIPE <i>ASADA YOHEI, KIMURA MASAOMI, IIDA TOSHIAKI, KUBO NARITAKA, AZECHI ISSAKU</i>