

Oral Presentation | Aug. 20

SESSION PROGRAMS

SESSION NAME		KS1: THE ECOHYDROLOGY OF RIVER VEGETATION	
SESSION CHAIR		MATTHEW O'HARE	
		ROOM: CST HALL	
TIME	NUMBER	TITLE	AUTHOR
11:00	S1-1-1	HYDROGEN PEROXIDE AS AN INDICATOR OF ENVIRONMENTAL STRESS INTENSITY OF AQUATIC MACROPHYTES	TAKASHI ASAEDA
11:15	S1-1-2	OPEN CHANNEL FLOW PAST A RECTANGULAR PATCH OF SUBMERGED VEGETATION	GEORGE CONSTANTINESCU
11:30	S1-1-3	EFFECT OF LIGHT INTENSITY ON MYRIOPHYLLUM SPICATUM	JAYASANKA MDH SENAVIRATHNA
11:45	S1-1-4	USE OF DRAG COEFFICIENT TO PREDICT DISPERSION COEFFICIENTS IN EMERGENT VEGETATION AT LOW VELOCITIES	FRED SONNENWALD
12:00	S1-1-5	EGERIA Densa DENSITY VS LIGHT INTENSITY: PHOTOSYNTHETIC PIGMENT RESPONSE	VIRAJ PRASANNA RANAWAKAGE
12:15	S1-1-6	NUMERICAL STUDY ON MIXED LAYER VEGETATION IN OPEN CHANNEL FLOW	HAMIDREZA RAHIMI

SESSION NAME		KS1: THE ECOHYDROLOGY OF RIVER VEGETATION	
SESSION CHAIR		MATTHEW O'HARE	
		ROOM: CST HALL	
TIME	NUMBER	TITLE	AUTHOR
14:00	S1-2-1	CHARACTERISATION OF AQUATIC VEGETATION: FROM THE STATISTICS OF MACROPHYTE PATCH SIZES TO HIGHLY-RESOLVED FLOW STRUCTURE	HAMISH J BIGGS
14:15	S1-2-2	EFFECT OF ELEVATION FROM NORMAL WATER LEVEL ALONG THE RIPARIAN VEGETATION: A CASE STUDY ALONG THE HIE RIVER IN JAPAN	VAMSI KRISHNA LEKKALA
14:30	S1-2-3	EVOLUTION OF THE ACTIVE CHANNEL AND THE VEGETATION ISLANDS IN A SANDY RIVER	DIEGO GARCIA DE JALON
14:45	S1-2-4	RIVER FLOW RESPONSES TO AQUATIC VEGETATION MANAGEMENT	PONNAMBALAM RAMESHWARAN
15:00	S1-2-5	FLOW MANAGEMENT TO CONTROL MACROPHYTE INVASION? AN ASSESSMENT BASED ON HABITAT SUITABILITY MODELLING	KONSTANTIN OCHS

SESSION NAME		KS1: THE ECOHYDROLOGY OF RIVER VEGETATION	
SESSION CHAIR		MATTHEW O'HARE	
		ROOM: CST HALL	
TIME	NUMBER	TITLE	AUTHOR
16:00	S1-3-1	STABILITY OF OPEN-CHANNEL FLOW WITH SUBMERGED VEGETATION REVISITED	KAZUHISA TSUNEKAWA
16:15	S1-3-2	FISH HABITAT ASSESSMENT BASED ON INSTREAM FLOW CONDITIONS AND AQUATIC VEGETATION ASSEMBLAGE	SEIYA AIHARA
16:30	S1-3-3	MEAN FLOW AND TURBULENCE CHARACTERISTICS IN OPEN CHANNEL WITH RIPARIAN VEGETATION	XU-FENG YAN
16:45	S1-3-4	OPTIMIZING MOWING STRATEGIES FOR VEGETATED STREAMS	DENIE CM AUGUSTIJN

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SESSION NAME		KS2: ECOHYDRAULICS IN RIVER RESTORATION	
SESSION CHAIR		GREG PASTERNAK	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
11:00	S2-1-1	20YEARS REVIEW OF RIVER ENVIRONMENT IN JAPAN	YUKIHIRO SHIMATANI
11:30	S2-1-2	COST-EFFECTIVE MITIGATION MEASURES IN REGULATED RIVERS	ATLE HARBY
12:00	S2-1-3	PRE-DIMENSIONING OF A MEAN ANNUAL DISCHARGE CHANNEL IN TERMS OF RESTORATION OF FRESHWATER PEARL MUSSEL HABITATS IN GRANITE AND GNEISS BASINS	PETER FLODL
12:15	S2-1-4	UNDERSTANDING STREAM HABITAT TO INFORM MANAGEMENT IN URBAN CATCHMENT	DESMOND OFOSU ANIM

SESSION NAME		KS2: ECOHYDRAULICS IN RIVER RESTORATION	
SESSION CHAIR		HIRONORI HAYASHI	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
14:00	S2-2-1	ANALYSIS OF THE ECOHYDRAULIC PROCESSES FORMING SALMONID SPAWNING HABITAT IN RESTORED, GRAVEL BED RIVERS.	ERIC A. GILLIES
14:30	S2-2-2	RIVER CONNECTIVITY ASSESSMENT IN THE PART OF HUAIHE RIVER BASIN IN ANHUI PROVINCE, CHINA	JIA JIA FANG
14:45	S2-2-3	CONTEMPORARY RIVER RESTORATION PROBLEMS? INITIAL LOCAL ECOLOGICAL KNOWLEDGE APPLICATION	EWELINA SZALKIEWICZ
15:00	S2-2-4	A NEW APPROACH FOR PREDICTING DISCHARGE IN STRAIGHT, SYMMETRIC HOMOGENEOUS COMPOUND CHANNELS	XIAONAN TANG

SESSION NAME		KS2: RESTORATION CASE STUDIES	
SESSION CHAIR		MARTIN THOMS, GREG PASTERNAK	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
16:00	S2-3-1	DISASTER RESTORATION PROJECT PRESERVING HISTORICAL STONE BRIDGE IN THE HOSHINO RIVER	HIRONORI HAYASHI
16:30	S2-3-2	RENATURALIZATION OF AN URBAN RIVER: THE MANZANARES RIVER IN THE CITY OF MADRID (SPAIN)	MARIA DIAZ-REDONDO
16:45	S2-3-3	THE TRANSITION OF RIVER MORPHOLOGY BY INSTALLING SMALL RESTORATION METHOD IN KAMISAIGO RIVER	TAKUMA OHNO
17:00	S2-3-4	CHARACTERISTICS OF SEDIMENT RELEASE AND DEPOSITION UNDER THE ARASE DAM REMOVAL, KUMAGAWA RIVER, JAPAN	KAZUAKI OHTSUKI
17:15	S2-3-5	RIVER RESTORATION OF A MOUNTAIOUS STREAM, THE JINDAIGAWA RIVER, JAPAN	TATSURO SATO

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SESSION NAME			
SS27: INTEGRATED SEDIMENT AND FLOW MANAGEMENT FOR RIVER ECOSYSTEM RESTORATION			
SESSION CHAIR		ROOM: 152	
YASUHIRO TAKEMON			
TIME	NUMBER	TITLE	AUTHOR
10:55	S3-1-0	INTEGRATED SEDIMENT AND FLOW MANAGEMENT FOR RIVER ECOSYSTEM RESTORATION UNDER	YASUHIRO TAKEMON
11:00	S3-1-1	RESTORING HABITAT DOWNSTREAM OF DAMS: CHALLENGES AND OPPORTUNITIES	KONDOLF G MATHIAS
11:15	S3-1-2	EFFECTS OF GRAVEL SUPPLY ON GRAVEL BAR MORPHOLOGY AND PHYSICAL HABITAT IN A REACH OF THE TRINITY RIVER, CALIFORNIA, USA	DAVID GAEUMAN
11:30	S3-1-3	ESTIMATING THE MOBILITY OF RIVER-BED MATERIALS BY TRACING PIT-TAGS GRAVEL USING RADIO FREQUENCY IDENTIFICATION (RFID) IN THE TRINITY RIVER, CALIFORNIA, USA	KANTA KANO
11:45	S3-1-4	INSTREAM GEOMORPHOLOGICAL FEATURES AS MASSIVE NATURAL FILTERS IN RIVERS: ECOLOGICAL CONSEQUENCES AND RESTORATION EFFORTS IN REGULATED RIVERS BELOW DAMS	GIYOUNG OCK
12:00	S3-1-5	LONGITUDINAL CHANGES IN WATER QUALITY AND TROPHIC SOURCE COMPOSITION OF POM AND THEIRS DISTRIBUTION PATTERNS WITHIN A GRAVEL BAR IN THE TRINITY RIVER, CALIFORNIA	SHINJI TAKAHASHI
12:15	S3-1-6	THE INFLUENCE OF MACROINVERTEBRATE COMMUNITY ON THE SELF-PURIFICATION CAPACITY OF RESTORED GRAVEL BARS IN THE TRINITY RIVER, CALIFORNIA	BIN LI

SESSION NAME			
SS27: INTEGRATED SEDIMENT AND FLOW MANAGEMENT FOR RIVER ECOSYSTEM RESTORATION			
SESSION CHAIR		ROOM: 152	
YASUHIRO TAKEMON			
TIME	NUMBER	TITLE	AUTHOR
14:00	S3-2-1	DAM SEDIMENTATION MANAGEMENT AND ECOLOGICAL IMPACT ASSESSMENT IN LARGE RIVER BASINS	BEATRICE WAGNER
14:15	S3-2-2	ECOLOGICAL INFLUENCE OF SEDIMENT BYPASS TUNNELS ON MACROINVERTEBRATES IN DAM-FRAGMENTED RIVERS USING DNA METABARCODING	JOESELLE MAGPAYO SERRANA
14:30	S3-2-3	INSITU MEASUREMENTS OF FINE SEDIMENT INFILTRATION IN GRAVEL BED RIVERS WITH HYDROPEAKING OPERATIONS	CHRISTOPH HAUER
14:45	S3-2-4	HYPORHEIC EXCHANGE OF A GRABEL BAR FORMED AFTER A DAM REMOVAL IN THE KUMA RIVER, KYUSHU, JAPAN	SOHEI KOBAYASHI
15:00	S3-2-5	RESTORING SPAWNING REDDS FOR AYUFISH BY FACILITATING WORK ON UP-WELLING ZONE IN THE TENRYU RIVER	MAKOTO HYODO
15:15	S3-2-6	ECOLOGICAL AND SEDIMENTOLOGICAL MONITORING CONCERNING THE EMPTYING OF A BEDLOAD RETENTION DAM	PATRICK HOLZAPFEL

SESSION NAME			
SS27: INTEGRATED SEDIMENT AND FLOW MANAGEMENT FOR RIVER ECOSYSTEM RESTORATION			
SESSION CHAIR		ROOM: 152	
YASUHIRO TAKEMON			
TIME	NUMBER	TITLE	AUTHOR
16:00	S3-3-1	CHANGES IN THE SEDIMENT BUDGET AND MORPHODYNAMICS OF VIETNAMESE MEKONG DELTA	BINH VAN DOAN
16:15	S3-3-2	A MULTISCALE HYDROMORPHOLOGICAL FRAMEWORK TO DESIGN AND EVALUATE ENVIRONMENTAL FLOWS	MARTINA BUSSETTINI
16:30	S3-3-3	INPACTS OF FLOW ALTERATION BY RESERVOIR DAMS ON STREAM ORGANISMS: A LOCALIZED ANALYSIS	KEI NUKAZAWA
16:45	S3-3-4	APPLICATIONS OF BAYESIAN NETWORKS IN WATER RESOURCE MANAGEMENT	WEN ZHANG
17:00	S3-3-5	INCA'S ECOENGINEERING PHILOSOPHY IN THE DESIGN CONCEPTION OF FLOOD PREVENTION STRUCTURES IN CUSCO VALLEY (PERU)	ADRIANA CAMINO

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SESSION NAME		SS38-40: FISH PASSAGE	
SESSION CHAIR		YOUICHI YASUDA, KEIKO MURAOKA	ROOM: 153
TIME	NUMBER	TITLE	AUTHOR
11:00	S4-1-1	SINGLE- OR MULTI-SLOT FISHWAYS IN MEDITERRANEAN RIVERS? AN EXPERIMENTAL APPROACH WITH A POTAMODROMOUS CYPRINID FISH	FILIFE ROMAO
11:15	S4-1-2	CFD A VALUABLE TOOL TO ANALYSE AND DESIGN FISHWAYS	ANA I. ROCHA E SA LOPES QUARESMA
11:30	S4-1-3	INFLUENCE OF MACRO-ROUGHNESSES IN VERTICAL SLOT FISHWAYS ON FISH BEHAVIOUR	GERARD PINEAU
11:45	S4-1-4	MODIFICIATION OF VERTICAL SLOT FISH PASS BY USING BRISTLES FOR SMALL-BODIED FISH	SERHAT KUCUKALI
12:00	S4-1-5	STUDY ON HYDRAULIC MODEL TEST OF VERTICAL SLOT FISHWAY	JUNTAO LI

SESSION NAME		SS38-40: FISH & HYDRO INNOVATIONS	
SESSION CHAIR		PETER RUTSCHMANN, KORDULA SCHWARZWÄLDER	ROOM: 153
TIME	NUMBER	TITLE	AUTHOR
14:00	S4-2-1	MIGRATORY BEHAVIOR OF ASCENDING ADULT SALMON (SALMO SALAR) IN THE OUTLETS OF HYDROPEAKING POWER PLANTS	TEPPO VEHANEN
14:15	S4-2-2	ASSESSMENT OF FLOW-RELEASE REGIMES BELOW THE E.B. CAMPBELL HYDROPEAKING STATION, SASKATCHEWAN RIVER, CANADA	HAITHAM K. GHAMRY
14:30	S4-2-3	HORIZONTAL BAR RACK BYPASS SYSTEMS FOR FISH DOWNSTREAM MIGRATION: STATE OF KNOWLEDGE, LIMITATIONS, AND GAPS	JULIAN MEISTER
14:45	S4-2-4	IMPROVED HYDRAULIC PERFORMANCE OF FISH GUIDANCE STRUCTURES WITH INNOVATIVE BAR DESIGN	CLAUDIA BECK
15:00	S4-2-5	FISH BEHAVIOR AND FISH GUIDANCE AT HYDROPOWER INTAKE SCREENS FOR FISH DOWNSTREAM PASSAGE	FRANZ GEIGER
15:15	S4-2-6	BEHAVIOUR RESPONSES OF IBERIAN BARBEL TO A SIMULATED HYDROPEAKING EVENT: EFFECTS OF INSTREAM STRUCTURES AND FLUID BODY INTERACTIONS	MARIA JOAO COSTA

SESSION NAME		SS38-40: HABITAT UTILITY	
SESSION CHAIR		ANTONIO PINHEIRO	ROOM: 153
TIME	NUMBER	TITLE	AUTHOR
16:00	S4-3-1	PERFORMANCE OF CONSTRUCTED REPRODUCTION CHANNELS? DEVELOPMENT OF IMATRA CITY BROOK IN FINLAND	JUKKA ANTERO JORMOLA
16:15	S4-3-2	ENVIRONMENTAL CHARACTERISTICS OF CANDIDATE RIVERINE ESTUARIES FOR CONSERVATION IN KYUSHU, JAPAN	AKIHIKO KOYAMA
16:30	S4-3-3	VARIATIONS IN DIEL HABITAT SELECTION OF RIVERINE FISH: COMPARING THE PREDICTIVE CAPACITY OF MODELS DEVELOPED WITH RADIO-TRACKING DATA	EMMANUELLE CHRETIEN
16:45	S4-3-4	RIVER NETWORK CONNECTIVITY: EFFECT OF BARRIER SIZE AND LOCATION	PAULO BRANCO
17:00	S4-3-5	MICROHABITAT USE OF ENDEMIC CYPRINIDS AS A TOOL TO INFORM RIVER RESTORATION IN MEDITERRANEAN REGIONS	JOSE MARIA SANTOS
17:15	S4-3-6	MANAGING FOR SUSTAINABILITY: THE DEVELOPMENT OF ENVIRONMENTAL FLOW IN CHINA	ANG CHEN

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SESSION NAME		SS10: MULTIPLE SCALE HABITAT MODELLING	
SESSION CHAIR		PAOLO VEZZA	ROOM: 154
TIME	NUMBER	TITLE	AUTHOR
11:00	S5-1-1	CONSIDERING RIVER MORPHOLOGICAL CHANGES IN ENVIRONMENTAL FLOWS ASSESSMENT	PAOLO VEZZA
11:15	S5-1-2	HABITAT USE AT MULTIPLE SCALES AS INDICATOR OF FISH SENSITIVITY TO THE ARTIFICIALISATION OF LARGE RIVERS	HERVE CAPRA
11:30	S5-1-3	SPATIO-TEMPORAL CHANGES IN HABITAT CONDITIONS DOWNSTREAM THE MACTAQUAC GENERATING STATION USING A MULTI-SCALAR HABITAT MODELLING APPROACH	BERNHARD WEGSCHEIDER
11:45	S5-1-4	CATCHMENT-SCALE HABITAT MODELING: RATIONALE, OBJECTIVES AND METHODS	NICOLAS LAMOUREUX
12:00	S5-1-5	TESTING 2D HYDRAULIC MODELING OF MESOSCALE FISH HABITATS IN THE MAREIT/MARETA RIVER (NE ITALY)	DAVID FARO
12:15	S5-1-6	HABBY: A NEW OPEN-SOURCE SOFTWARE FOR HABITAT SUITABILITY	YANN LE COARER

SESSION NAME		SS10: NUMERICAL MODELLING OF ECOHYDRAULIC PROCESSES	
SESSION CHAIR		DANIELE TONINA	ROOM: 154
TIME	NUMBER	TITLE	AUTHOR
14:00	S5-2-1	THE EFFECT OF DAM REMOVE ON THE TYPICAL INVERTEBRATE HABITAT -A STUDY OF XIAOHEZI RIVER	WEI HUANG
14:15	S5-2-2	IMPLICATIONS OF COMPUTATIONAL MESH ACCURACY ON FISH HABITAT USE CALCULATIONS IN MILD-SLOPE RIVERS	HAITHAM K. GHAMRY
14:30	S5-2-3	LONG-TERM IMPACT OF HYDROPEAKING: STUDYING THE WATER QUALITY OF RAPEL RESERVOIR, AND THE THERMAL POLLUTION AND HYDROLOGICAL ALTERATION OF ITS DOWNSTREAM RIVER	ETIENNE MOTYKA
14:45	S5-2-4	VALIDATION OF AN INTEGRATED RIPARIAN VEGETATION HYDROMORPHODYNAMICS FUZZY-NUMERICAL MODEL	EMILIO POLITTI
15:00	S5-2-5	THE ROLE OF VEGETATION UPROOTING ON FLUVIAL MORPHODYNAMICS: A MODELING APPROACH	FRANCESCO CAPONI

SESSION NAME		SS10: PHYSICAL AND STATISTICAL MODELLING OF ECOHYDRAULIC PROCESSES	
SESSION CHAIR		NICOLAS LAMOUREUX	ROOM: 154
TIME	NUMBER	TITLE	AUTHOR
16:00	S5-3-1	RESPONSE OF FISH COMMUNITIES TO FLOW VARIATIONS IN HYDROPEAKING STREAM REACHES	CLARISSE JUDES
16:15	S5-3-2	THE EFFECTS OF ABIOTIC FACTORS ON PLANT HEALTH AND BIOMECHANICS: A MESOCOSM STUDY ON POTAMOGETON CRISPUS	DAVIDE VETTORI
16:30	S5-3-3	RELATIONSHIP BETWEEN LANDSCAPE AND ECO-ENVIRONMENTAL DIVERSITY FOR RIVER HABITAT EVALUATION	MASAHIKO SEKINE
16:45	S5-3-4	RESPONSE OF TROUT POPULATIONS TO FLOODS IN NATURAL AND BYPASS REACHES	VERONIQUE GOURAUD
17:00	S5-3-5	A NOVEL APPROACH OF FISH AND MACROINVERTEBRATES MICRO-HABITAT SELECTION MODELS: HOW TO DEAL WITH SPATIAL AND TEMPORAL VARIATIONS OF OVERDISPERSED ABUNDANCE DATA.	LAURA PLICHARD

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SESSION NAME SS45: WATER AND SEDIMENT CONTINUITY AND ENVIRONMENTAL RESPONSE IN RIVER BASIN			
SESSION CHAIR		HIDEAKI SEKINE	ROOM: 141
TIME	NUMBER	TITLE	AUTHOR
11:00	S6-1-1	EFFECTS OF A PARTIAL DAM REMOVAL ON RIVER BED TOPOGRAPHY AND FLOW FIELDS	TERUNORI OHMOTO
11:15	S6-1-2	OPERATION IMPROVEMENT OF THE RIVER MOUTH BARRAGE FOR RIVER CONTINUITY.	YUICHI SEGUCHI
11:30	S6-1-3	DEVELOPMENT OF RIPARIAN VEGETATION FADING MODEL FOR VEGETATION AND HABITATS MANAGEMENT IN RIVER CHANNEL	NAOKI KURODA
11:45	S6-1-4	RELATIONSHIP BETWEEN EXPOSURE HEIGHT OF STONES AND FEEDING BEHAVIOR OF AYU IN A LARGE EXPERIMENTAL FLUME	TAIKI HOTTA
12:00	S6-1-5	STUDY ON ENVIRONMENTALLY FRIENDLY SABO WORKS IN THE UPPER MAKAWA RIVER IN JAPAN	YUKI NISHIGUCHI
12:15	S6-1-6	STUDIES ON THE OPTIMAL DISCHARGE OPERATION OF MIYANAKA INTAKE DAM FOR IMPROVING FISH MIGRATION TO THE FISHWAY	CHIAKI YOSHII

SESSION NAME SS44: DISASTER PREVENTION/MITIGATION MEASURES AGAINST FLOODS AND STORM SURGES			
SESSION CHAIR		HAJIME NAKAGAWA	ROOM: 141
TIME	NUMBER	TITLE	AUTHOR
14:00	S6-2-1	INVESTIGATING THE EXERCISE OF ICTS FOR 2017 FLASH FLOOD MANAGEMENT IN HAOR AREAS OF BANGLADESH	MD. ANWARUL ABEDIN
14:15	S6-2-2	MORPHODYNAMIC RESPONSES OF THE JAMUNA AGAINST LONG TERM STABILIZATION	MD MARUF DUSTEGIR
14:30	S6-2-3	RIVER STABILIZATION IN BANGLADESH: A LONG TERM LOW COST APPROACH	MD MUNSUR RAHMAN
14:45	S6-2-4	LINKING FLOOD HAZARD AND DAMAGE ASSESSMENT: IMPLICATIONS FOR DANGER LEVEL AND DIFFERENT ELEMENTS OF RISKS	MASHFIQUS SALEHIN
15:00	S6-2-5	IMPACTS OF STORM SURGE ON COASTAL INFRASTRUCTURE IN THE COASTAL REGION OF BANGLADESH	ANISUL HAQUE
15:15	S6-2-6	GENDER ASPECTS IN FLOOD MANAGEMENT OF NORTH-EAST AND NORTH-WEST REGIONS OF BANGLADESH	DEBANJALI SAHA

SESSION NAME SS44: DISASTER PREVENTION/MITIGATION MEASURES AGAINST FLOODS AND STORM SURGES			
SESSION CHAIR		HAJIME NAKAGAWA	ROOM: 141
TIME	NUMBER	TITLE	AUTHOR
16:00	S6-3-1	FLOOD SEASON SPREADING OF POLLUTANTS TO FLOODPLAINS OF TONGI KHAL? EXPOSURE AND HEALTH CONCERNS IN UTTARKHAN OF DHAKA	MOHAMMED ABED HOSSAIN
16:15	S6-3-2	FLOOD HAZARD IMPACT ASSESSMENT METHODS AND POTENTIAL DAMAGES? TWO CASE STUDIES OF RIVER AND FLASH FLOODS IN BANGLADESH	K.M. NABIUL ISLAM
16:30	S6-3-3	TRANSPORT AND MIXING SIGNATURE OF URBAN CANALS IN SRI LANKA: IMPLICATIONS ON ATTENUATION AND ASSIMILATION	PATTIYAGE I. AYANTHA GOMES
16:45	S6-3-4	SPATIOTEMPORAL VARIATION OF WATER QUALITY AND BENTHIC MACROINVERTEBRATE ASSEMBLAGES IN A CONCRETE LINED STREAM NETWORK	PATTIYAGE I. AYANTHA GOMES

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SESSION NAME SS13: RESTORING RIVER-FLOODPLAIN CONNECTIVITY AND RIPARIAN ECOSYSTEMS			
SESSION CHAIR		KUMUD ACHARYA	ROOM: 142
TIME	NUMBER	TITLE	AUTHOR
11:00	S7-1-1	PERMEABLE OR IMPERVIOUS EFFECT OF GROYNES TO FLOW DYNAMICS IN A TRAPEZOIDAL CHANNEL	BUSRA YILDIRIM
11:15	S7-1-2	HYDROLOGICAL IMPACTS OF WATER RESOURCE DEVELOPMENT ON FLOODPLAIN VEGETATION COMMUNITIES OF A BOOM AND BUST SYSTEM	WILL PETER HIGGISSON
11:30	S7-1-3	ECOLOGICAL PATTERN OF MACROINVERTEBRATES IN THE FLOODPLAIN OF TYPICAL MEANDERING RIVER IN THE YELLOW RIVER SOURCE REGION	NA ZHAO
11:45	S7-1-4	STUDY ON FLOOD RESOURCES UTILIZATION OF INTERCONNECTED RIVER-LAKE SYSTEM NETWORK	JIANWEI LIU
12:00	S7-1-5	DETERMINATION OF PARAMETER H IN QUADRANT SPLITTING FOR IDENTIFYING COHERENT MOTIONS IN LAKE TAIHU, CHINA	YIPING LI

SESSION NAME SS13: RESTORING RIVER-FLOODPLAIN CONNECTIVITY AND RIPARIAN ECOSYSTEMS			
SESSION CHAIR		KUMUD ACHARYA	ROOM: 142
TIME	NUMBER	TITLE	AUTHOR
14:00	S7-2-1	RESTORATION OF FLUVIAL DYNAMICS IN LARGE RIVERS: BENCHMARKING AND RESTORATION TARGETS	MARIA DIAZ-REDONDO
14:15	S7-2-2	DO EXCESSIVE INVASIVE SALT CEDARS ALTER WATER BUDGET IN THE FLOODPLAIN IN THE ARID REGIONS?	KUMUD ACHARYA
14:30	S7-2-3	AN INVESTIGATION INTO REMOTE SENSING TECHNIQUES FOR DESCRIBING HYDRAULIC ROUGHNESS OF FLOODPLAINS	SMRITI CHAULAGAIN
14:45	S7-2-4	EVALUATING FLOODPLAIN VEGETATION POTENTIAL FOR WILDFIRE IMPACTED WATERSHED USING A BAYESIAN NETWORK MODELING	LAUREN VICTORIA JARAMILLO

SESSION NAME SS6: TOWARDS ACTIVATING THE ROLE OF WETLANDS IN MITIGATING THE GLOBAL WARMING			
SESSION CHAIR		ABNER BARNUEVO	ROOM: 142
TIME	NUMBER	TITLE	AUTHOR
16:00	S7-3-1	EFFECTS OF WARMING ON N ₂ O FLUXES IN A BOREAL PEATLAND OF PERMAFROST REGION, NORTHEAST CHINA	QIAN CUI
16:15	S7-3-2	EFFECT OF EROSION-DEPOSITION ON WETLAND AREA OF POYANG LAKE UNDER NEW WATER-SEDIMENT SITUATION	ZHENYU LUAN
16:30	S7-3-3	EVALUATION OF CARBON SEQUESTRATION POTENTIAL OF MANGROVE FORESTS ALONG THE SAUDI ARABIAN RED SEA COAST	MOHAMED T. AHMED
16:45	S7-3-4	IMPACTS OF MID-TERM CLIMATE CHANGE ON WETLAND AND FLOODPLAIN DYNAMICS: A CASE STUDY IN THE MAGDALENA RIVER BASIN	HECTOR ANDRES ANGARITA

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SESSION NAME		SS30: UAV AND COMPUTER MODELING	
SESSION CHAIR		YOSHIHISA AKAMATSU, YUJI TODA, HITOSHI MIYAMOTO	ROOM: 143
TIME	NUMBER	TITLE	AUTHOR
11:00	S8-1-1	THE APPLICATION OF UNMANNED AERIAL VEHICLE REMOTE SENSING IN THE RESEARCH OF RIPARIAN AND AQUATIC ECOSYSTEM	TIANTIAN JIN
11:15	S8-1-2	LOGISTIC REGRESSION MODELING FOR GRASS RECRUITMENT PREDICTION IN KINUGAWA RIVER CHANNELS WITH DIFFERENT RIVER SEGMENTS	HAYATA IIMURA
11:30	S8-1-3	APPLICATION OF UAV MONITORING AND FLOW SIMULATION FOR IDENTIFICATION OF INITIAL VEGETATION RECRUITMENT ONTO BARE BAR IN SAND BED RIVER	YUEXIA ZHOU
11:45	S8-1-4	ESTIMATING FLOW RESISTANCE BY VEGETATION IN RIVERS USING HIGH-RESOLUTION AIRBORNE LASER BATHYMETRY	KEISUKE YOSHIDA
12:00	S8-1-5	AN INTEGRATED STOCHASTIC EVALUATION OF VEGETATION OVERGROWTH TENDENCY AND FLOOD PROTECTION SAFETY IN TAKATSU RIVER CHANNELS USING A VEGETATION DYNAMICS MODEL	KENGO KATAOKA
12:15	S8-1-6	ASSESSMENT OF WATER ENVIRONMENT CAPACITY FOR URBAN RIVER NETWORKS UNDER VARIED HYDRODYNAMICS	YIPENG LIAO

SESSION NAME		SS30: MONITORING AND ANALYSIS	
SESSION CHAIR		YOSHIHISA AKAMATSU, YUJI TODA, HITOSHI MIYAMOTO	ROOM: 143
TIME	NUMBER	TITLE	AUTHOR
14:00	S8-2-1	ACCURACY, VERIFICATION, AND APPLICATION OF MONITORING SPAWNING GROUNDS OF PLECOGLOSSUS ALTIVELIS USING ENVIRONMENTAL DNA ANALYSIS	RYUTEI INUI
14:15	S8-2-2	STATISTICAL ASSESSMENT OF LONG-TERM CHANGE AND ITS FACTORS IN ANNUAL MEAN EQUILIBRIUM WATER TEMPERATURE IN JAPAN BY USING MANN-KENDALL TEST	KOHEI KAMIMURA
14:30	S8-2-3	A STUDY ON AQUATIC ORGANISMS IN UNDERFLOW WATER USING HOTSPOT BOREHOLE ADJACENT TO KIRYU RIVER	KENSAKU MATSUMOTO
14:45	S8-2-4	THE ROLE OF BIVALVES IN THE AQUATIC ECOSYSTEM - THE HAZARDS ASSOCIATED WITH THE INCREASE OF WATER POLLUTION	JOANNA CHMIST
15:00	S8-2-5	EFFECTS OF DIFFERENT LIGHT INTENSITY ON THE GROWTH AND STRESS RESPONSES OF PAEUDANABAENA GALEATA (CYANOBACTERIA)	GULIGENA MUHETAER

SESSION NAME		SS9: ADVANCES IN MEASUREMENT AND DATA PROCESSING IN ECOHYDRAULICS I	
SESSION CHAIR		JEFFREY TUHTAN, MARKUS NOACK	ROOM: 143
TIME	NUMBER	TITLE	AUTHOR
16:00	S8-3-1	LSPV APP DATA FUSION OF VELOCITY AND ELEVATION DATA	RYOTA TSUBAKI
16:15	S8-3-2	STUDY ON DRIFTING CHARACTERISTICS OF FISH EGGS USING PARTICLE TRACERS	JUNQIANG LIN
16:30	S8-3-3	A 3D DATA-DRIVEN APPROACH TO STUDY THE HYDRODYNAMIC PREFERENCES OF FISH IN FISHWAYS	JUAN FRANCISCO FUENTES-PEREZ
16:45	S8-3-4	MONITORING UPSTREAM FISH PASSAGE THROUGH A BYPASS PIPE AND DROP AT THE FISH LIFT RUNSERAU: COMPARING DYNAMIC PRESSURE MEASUREMENTS ON LIVE FISH WITH PASSIVE ELECTRONIC FISH SURROGATES	JEFFREY A TUHTAN
17:00	S8-3-5	MEASUREMENT OF PRESSURE FLUCTUATION ON BED COBBLES DURING SMALL FLOODS	RYOTA TSUBAKI

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SESSION NAME			
KS3: USING ADVANCED GENOMICS TECHNIQUES TO RESEARCH AND MONITOR FRESHWATER BIODIVERSITY			
SESSION CHAIR		MICHAEL MONAGHAN, KOZO WATANABE	ROOM: CST HALL
TIME	NUMBER	TITLE	AUTHOR
11:00	S1-4-1	THE ATTEMPT OF QUANTITATIVE COMPARING WITH ENVIRONMENTAL DNA AND BENTHIC INVERTEBRATES IN JAPAN	NORIKO UCHIDA
11:15	S1-4-2	FISH COMMUNITY STRUCTURE IN AGRICULTURAL CANAL INFERRED FROM ENVIRONMENTAL DNA METABARCODING	NORIYUKI KOIZUMI
11:30	S1-4-3	COMPLETE GENOME SEQUENCE OF PSEUDOMONAS AERUGINOSA L10: AN ENDOPHYTIC BACTERIUM THAT DEGRADES HYDROCARBONS, PRODUCES SURFACTANTS, AND PROMOTES PLANT GROWTH	TAO WU
11:45	S1-4-4	SEDIMENT MICROBIAL COMMUNITY COMPOSITION AND DIVERSITY OF RESTORED GRAVEL BARS IN THE TRINITY RIVER, CALIFORNIA	JOESELLE MAGPAYO SERRANA
12:00	S1-4-5	USING NEXT GENERATION SEQUENCING TO ANALYZE PREY DNA IN FAECES OF AN AVIAN PREDATOR IN TAIWAN	MING-CHIH CHIU

SESSION NAME			
KS3: USING ADVANCED GENOMICS TECHNIQUES TO RESEARCH AND MONITOR FRESHWATER BIODIVERSITY			
SESSION CHAIR		MICHAEL MONAGHAN, KOZO WATANABE	ROOM: CST HALL
TIME	NUMBER	TITLE	AUTHOR
14:00	S1-5-1	RAPID DETECTION OF ENVIRONMENTAL DNA (EDNA) THROUGH THE DEVELOPMENT OF REAL-TIME MOBILE PCR DEVICE	TAKESHI WATANABE
14:15	S1-5-2	GENOME-WIDE RAD-SEQ REVEALS ADAPTIVE DIVERGENCE AMONG SEVEN STREAM STONEFLIES ALONG A NATIONWIDE LATITUDINAL GRADIENT IN JAPAN	MARIBET GAMBOA
14:30	S1-5-3	GENETIC STRUCTURE AND GENE FLOW BETWEEN ALTITUDINALLY ISOLATED POPULATIONS OF STENOPSYCHE MARMORATA	SAKIKO YAEGASHI
14:45	S1-5-4	DETECTION OF ADAPTIVE DIVERGENCE IN POPULATIONS OF THE STREAM MAYFLY EPHEMERA STRIGATA WITH MACHINE LEARNING	BIN LI

SESSION NAME			
SS23: TOWARDS BETTER MANAGEMENT OF DISCONTINUITY OF RIVERS			
SESSION CHAIR		JUNJIRO NEGISHI	ROOM: CST HALL
TIME	NUMBER	TITLE	AUTHOR
16:00	S1-6-1	CASE STUDY OF DAM OPERATION AND FLUSHING DISCHARGE IN JAPAN	KAZUHIRO AZAMI
16:15	S1-6-2	SHORT-TERM RESILIENCE OF AQUATIC-RIPARIAN LINKAGES TO ARTIFICIAL FLOODS IN A GRAVEL-BED RIVER IN EASTERN HOKKAIDO	JUNJIRO NEGISHI
16:30	S1-6-3	IMPACT OF FISHWAYS IN THE MIYANAKA INTAKE DAM AREA ON FISH DIVERSITY IN THE SHINANO RIVER, JAPAN	TAKU MASUMOTO
16:45	S1-6-4	BREEDING CONTROL OF INVASIVE BLUEGILL UTILIZING FLUSHING DISCHARGE IN MIHARU DAM RESERVOIR	TAKAYA HIGUCHI
17:00	S1-6-5	RESERVOIR OPTIMAL OPERATION COUPLED WITH ECMWF ENSEMBLE PRECIPITATION FORECAST	JINGGANG CHU

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SESSION NAME		KS2: RESTORATION EMPHASIZING VEGETATION	
SESSION CHAIR		GREG PASTERNAK	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
11:00	S2-4-1	VEGETATION TRANSITION AND FINE SEDIMENT MOVEMENT AFTER GRAVEL BAR RESTORATION IN A STEEP RIVER	HIROKAZU IKEDA
11:15	S2-4-2	APPLICATION OF AN UNMANNED AUTONOMOUS SYSTEM FOR THE QUANTITATIVE ASSESSMENT OF AQUATIC VEGETATION RESTORATION IN THE SAN MARCOS RIVER, TEXAS, USA	KRISTY KOLLAUS
11:30	S2-4-3	STOCK EXCLUSIONS AND INSTREAM VEGETATION CONTROL THE RECOVERY OF A SAND BED RIVER IMPACTED BY A PULSE OF BEDLOAD SEDIMENT	ALEXANDER JAMES SIMS
11:45	S2-4-4	ECOLOGICAL RESTORATION ACCELERATED WATER RESOURCE SHORTAGE ACROSS TIME AND SCALE	RUONAN LI
12:00	S2-4-5	PPP PROJECT ASSESSMENT OF WATER ECOLOGY	MIN LI

SESSION NAME		SS32: RIVER RESTORATION METHODOLOGY CONTRIBUTING TO THE FORMATION OF ECOLOGICAL NETWORK	
SESSION CHAIR		JUNJIRO NEGISHI, SUK HWAN JAN	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
14:10	S2-5-1	INDIVIDUAL-BASED MODELLING OF FISH HABITATS IN THE RIVER DOWNSTREAM UNDER FLOW REGULATION	RUI HAN
14:25	S2-5-2	ANALYSIS OF THE INTERACTIVE RELATIONSHIP BETWEEN MEANDERING RIVER HYDRAULIC CHARACTERISTICS AND HABITAT SUITABILITY	JING ZHANG
14:40	S2-5-3	RESEARCH ON THE TRANSPORT AND DISPERSION OF ASIAN CARP EGGS IN THE "MAN-MADE FLOOD PULSE" IN THE MIDDLE YANGTZE RIVER BY REYNOLDS-AVERAGED NUMERICAL SIMULATION	QIHONG YANG
14:55	S2-5-4	EVALUATING THE AVAILABILITY OF RUNNING WATER AREAS AND RIVERBANKS WITH A NOVEL FLOWCHART	MAI TSURUTA
15:10	S2-5-5	THE ECOLOGICAL IMPORTANCE OF WATERCOURSE NETWORKS IN HUMAN-ALTERED FLOODPLAIN SYSTEMS	NOBUO ISHIYAMA
15:25	S2-5-6	AQUATIC FOOD-WEB STRUCTURE IN FLOODPLAIN WATERBODIES IN RELATION TO NUTRIENT POLLUTION, ECOSYSTEM SIZE, AND INVASIVE SPECIES	JUNJIRO NEGISHI

SESSION NAME		SS32: RIVER RESTORATION METHODOLOGY CONTRIBUTING TO THE FORMATION OF ECOLOGICAL NETWORK	
SESSION CHAIR		JUNJIRO NEGISHI, SUK HWAN JAN	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
16:00	S2-6-1	TWO NOTABLE CASES OF RIVER RESTORATION IN TAICHUNG CITY: LIUCHUAN RIVER AND SHISHUIKE RIVER	TING-CHANG CHOU
16:15	S2-6-2	HABITAT EVALUATION OF PLECOGLOSSUS ALTIVELIS USING ENVIRONMENTAL DNA ANALYSIS AFTER DAM REMOVAL IN THE KUMA RIVER	TOMOKO MINAGAWA
16:30	S2-6-3	FUNCTION OF ARTIFICIALLY RESTORED FLOODPLAIN AS FISH SPAWNING HABITAT	KEN KOZAKI
16:45	S2-6-4	ECOLOGICAL RESTORATION OF URBAN FLOOD CHANNEL: BALANCING FLOOD CONTROL AND ECOSYSTEM CONSERVATION	YAO WANG
17:00	S2-6-5	REASONABILITY OF CYCLIC FLOODPLAIN REJUVENATION FOR STRATEGIC BIODIVERSITY CONSERVATION IN JAPANESE LOWLAND RIVERS	SHIGEYA NAGAYAMA
17:15	S2-6-6	A CONTRACT TO INVOLVE NGO GROUPS AND LOCAL PEOPLE IN THE ENGINEERING DESIGN PROCEDURES FOR FAZIH RIVER RESTORATION IN TAICHUNG, TAIWAN	SHAOHUA MARKO HSU
17:30	S2-6-7	VISION AND STRATEGY FOR THE INTEGRATED WATER RESOURCES MANAGEMENT IN HAN-RIVER BASIN	SUKHWAN JANG

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SESSION NAME SS17: INTEGRATION OF ECO-HYDROLOGY WITH RS AND GIS FOR MONITORING WATER RESOURCES			
SESSION CHAIR		CHU HAIR TUNG	ROOM: 152
TIME	NUMBER	TITLE	AUTHOR
11:00	S3-4-1	RESPONSE OF BASAL CROP COEFFICIENT (KCB) DYNAMICS TO WATER AND ENERGY VARIATIONS IN DIFFERENT SEASONS: A CASE STUDY IN NORTH CHINA	YUNLONG ZHANG
11:15	S3-4-2	RESPONSE RELATIONSHIP BETWEEN ECOLOGICAL WATER REQUIREMENT AND LANDSCAPE PATTERN OF RIPARIAN ZONE IN THE MIDDLE REACHES OF THE YELLOW RIVER	FEN ZHAO
11:30	S3-4-3	FLOOD SIMULATION IN CASE: THE SERIES OF BROKEN DAMS ON BUNG RIVER- VIETNAM	LE QUOC HUNG
11:45	S3-4-4	SIMULATION OF THE ECOHYDROLOGICAL PROCESSES IN THE MEKONG RIVER BASIN USING REMOTE SENSING DATA	HUI LU

SESSION NAME SS18: A THOUSAND AND ONE WAYS TO EXPLORE HYDROSYSTEMS USING REMOTE SENSING			
SESSION CHAIR		HÅKON SUNDT, ANA ADEVA BUSTOS	ROOM: 152
TIME	NUMBER	TITLE	AUTHOR
14:00	S3-5-1	COMPARING REMOTE SENSING DATA ? ASSESSING VERTICAL ACCURACY IN FOUR DIFFERENT TERRAIN MODELS IN A HYDROPOWER REGULATED RIVER	HAKON SUNDT
14:15	S3-5-2	USING REMOTE SENSING FOR EVIDENCE-BASED MITIGATION MEASURES	ANA ADEVA BUSTOS
14:30	S3-5-3	HYPERSPECTRAL REMOTE SENSING OF TRACER DYE CONCENTRATIONS TO SUPPORT DISPERSION STUDIES IN RIVER CHANNELS	CARL J. LEGLEITER
14:45	S3-5-4	THE SUITABILITY OF TRADITIONAL AND UAV AERIAL PHOTOGRAPHY FOR SURVEYING SALMON HABITAT	RICHARD D HEDGER
15:00	S3-5-5	A COMPARISON OF CALCULATING WETTED AREA BY HYDRAULIC MODELLING AND IN SITU UAV MEASUREMENTS IN A NORWEGIAN SALMONID STREAM.	SEBASTIAN STRANZL

SESSION NAME SS20: GIS AND REMOTE SENSING APPLICATION ON RIVERS AND WATERSHEDS MANAGEMENT			
SESSION CHAIR		THOMAS HARDY	ROOM: 152
TIME	NUMBER	TITLE	AUTHOR
16:00	S3-6-1	MESOHABITAT DELINEATIONS BASED ON HYDRAULIC GEOMETRY PROPERTIES DERIVED FROM THE CONTINUITY EQUATIONS	THOMAS HARDY
16:15	S3-6-2	ASSESSMENT OF POTENTIAL THERMAL REFUGES, BASED ON UAV THERMAL IMAGERY	ROSER CASAS-MULET
16:30	S3-6-3	RIVER SURVEY USING AIRBORNE LASER BATHYMETRY (ALB) AND ITS APPLICATIONS	KEIGO NAKAMURA
16:45	S3-6-4	FOREST FIRE AFFECTION TO NDVI PHENOLOGY AT DIFFERENT FIRE SEVERITY AND TREE TYPES IN THE KAMAISHI 2017 FOREST FIRE	GRACE PUYANG EMANG
17:00	S3-6-5	HYDRODYNAMIC AND SEDIMENTOLOGICAL EVALUATION IN A BEND OF MADRE DE DIOS RIVER WITH BENDWAY WEIRS	MISHEL MILAGROS MELENDEZ

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SESSION NAME		SS38-40: FISH PASSAGE	
SESSION CHAIR		CARL ROBERT KREWITZ-BYUN, MELANIE MÜLLER	ROOM: 153
TIME	NUMBER	TITLE	AUTHOR
11:00	S4-4-1	EVALUATION OF FISH MIGRATION INTO FISHPASSES AT DIFFERENT ATTRACTION FLOW SCENARIOS	HELMUT MADER
11:15	S4-4-2	A BEHAVIOR-BASED ROBOTICS MODEL FOR SIMULATING FISH MOVEMENT IN A PATHWAY	NGOC DUNG NGUYEN
11:30	S4-4-3	EFFECTIVENESS OF A NOVEL LOW-COST FISH PASS FOR UPSTREAM PASSAGE OF NON-SALMONIDS AT A LOW-HEAD GAUGING WEIR	DANIELLA MONTALI-ASHWORTH
11:45	S4-4-4	A FIELD STUDY ON CHANGING PROCESS IN DIVERSION CANAL WATER TEMPERATURE IN COLD REGIONS OF NORTH CHINA	TIEGANG ZHENG
12:00	S4-4-5	AN EXPERIMENTAL INVESTIGATION OF THREE-DIMENSIONAL FLOW CHARACTERISTICS OF AN EGG-SHAPED FISH ORIFICE	ZHIYONG DONG

SESSION NAME		SS38-40: FISH & HYDRO INNOVATIONS	
SESSION CHAIR		MENGZHEN XU, ISABEL BOAVIDA	ROOM: 153
TIME	NUMBER	TITLE	AUTHOR
14:00	S4-5-1	NEW METHODS FOR THE ASSESSMENT OF HYDROPOWER-INDUCED FISH DAMAGE IN THE FIELD	MELANIE MUELLER
14:15	S4-5-2	ANALYSIS OF THE EFFECTS OF A HYDROPOWER PLANT IN THE DOWNSTREAM FISH HABITAT. COSH-TOOL APPLICATION	LEONOR CAETANO
14:30	S4-5-3	MODELLING POTENTIAL SPAWNING GROUNDS FOR MAGDALENA BASIN POTAMODROMOUS FISH: A TIER 1 TOOL FOR ENVIRONMENTAL IMPACT ASSESSMENT OF HYDROPOWER PROJECTS	SILVIA LOPEZ-CASAS
14:45	S4-5-4	IDENTIFYING REQUIREMENTS FOR FISH PASSAGE AT DAMS AND WEIRS USING A LARGE-SCALE HYDROACOUSTIC RECEIVER NETWORK	EVA C ENDERS

SESSION NAME		SS38-40: HABITAT UTILITY	
SESSION CHAIR		ATLE HARBY	ROOM: 153
TIME	NUMBER	TITLE	AUTHOR
16:00	S4-6-1	SPATIO-TEMPORAL DYNAMICS OF BROWN TROUT MOVEMENTS AT DIFFERENT LIFE-STAGES. A MULTI-ANNUAL TELEMETRY STUDY IN A MOUNTAIN STREAM.	MARIA ALP
16:15	S4-6-2	WHAT DRIVES THE INTERANNUAL VARIABILITY IN AQUATIC-ECOLOGY TIME SERIES?	SOPHIE CAUVY-FRAUNIE
16:30	S4-6-3	EARLY 20TH-CENTURY POTENTIAL DISTRIBUTIONS OF DIADROMOUS FISH SPECIES IN EUROPE	GONCALO FILIPE DUARTE
16:45	S4-6-4	THE SUITABLE HYDRODYNAMIC CONDITIONS FOR CHINESE CARPS SPAWNING IN YICHANG SECTION OF THE MID-YANGTZE RIVER	QIUWEN CHEN
17:00	S4-6-5	PROXIMAL FACTORS FOR POTAMODROMOUS FISH SPAWNING IN A TRASANDEAN TROPICAL RIVER	LUZ F JIMENEZ-SEGURA

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SESSION NAME SS8: ASSESSING THE ECO-HYDRAULIC IMPLICATIONS OF SEDIMENT TRANSPORT: NOVEL METHODS AND TOOLS			
SESSION CHAIR		MANOUSOS VALYRAKIS	ROOM: 154
TIME	NUMBER	TITLE	AUTHOR
14:00	S5-5-1	THE IMPACT OF CLIMATE CHANGE ON SEDIMENT SUPPLY, TRANSPORT AND HABITAT FORMING PROCESSES IN SMALL RIVER CATCHMENTS ? CASE STUDIES FROM UPPER AUSTRIA	CHRISTOPH HAUER
14:15	S5-5-2	ON THE USE OF SURROGATES TO MIMIC THE STABILIZATION POTENTIAL OF NATURAL BIOFILMS AT THE SEDIMENT-WATER INTERFACE	MORITZ THOM
14:30	S5-5-3	RIVER BED MATERIAL MAPPING TO SUPPORT HABITAT ASSESSMENT IN LARGE RIVERS	SANDOR BARANYA
14:45	S5-5-4	THEORETICAL MODEL OF SUSPENDED SEDIMENT CONCENTRATION IN A FLOW WITH SUBMERGED CANOPY	DA LI
15:00	S5-5-5	VARIOUS SEDIMENT MEASUREMENT METHODS AND TECHNIQUES AS BASIS FOR HABITAT QUALITY EVALUATION IN THE RIVER SECTION OF HPP SCHIFFMÜHLE	KORDULA SCHWARZWALDER
15:15	S5-5-6	HYPORHEIC EXCHANGE IN MEANDERING STREAMS: LABORATORY EXPERIMENTS	LIYANADURAGE PRIYAGA SUPUN KUMARI FERNANDO

SESSION NAME SS8: ASSESSING THE ECO-HYDRAULIC IMPLICATIONS OF SEDIMENT TRANSPORT: NOVEL METHODS AND TOOLS			
SESSION CHAIR		MANOUSOS VALYRAKIS	ROOM: 154
TIME	NUMBER	TITLE	AUTHOR
16:00	S5-6-1	AN ENGINEERING APPROACH TO SIGNIFICANTLY IMPROVE THE ECOLOGICAL STATE OF THE EMS ESTUARY, GERMANY	ANDREAS WURPTS
16:15	S5-6-2	NUMERICAL MODEL APPROACH FOR TRANSIENT CONSIDERATION OF FLUID MUD DYNAMICS IN ESTUARIES	DENNIS OBERRECHT
16:30	S5-6-3	SANDBED EVOLUTION ABOUT AN ARTIFICIAL SEAGRASS MEADOW	RAUL ARMANDO VILLANUEVA
16:45	S5-6-4	TRANSPORT OF FLOATING PLASTICS ALONG A CHANNEL WITH A VEGETATED RIVERBANK	MANOUSOS VALYRAKIS
17:00	S5-6-5	NEURO-GENETIC SUSPENDED SEDIMENT LOAD PREDICTION MODEL FOR KELANTAN RIVER	HAITHAM ABDULMOHSIN AFAN

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SESSION NAME SS12: NEEDS FOR TSUNAMI MITIGATION AND THE FUNCTIONS OF COASTAL FOREST			
SESSION CHAIR		NORIO TANAKA	ROOM: 141
TIME	NUMBER	TITLE	AUTHOR
11:00	S6-4-1	THE ROLE OF MANGROVES AGAINST TSUNAMI IN COASTLINE OF SRI LANKA	METHSIRI B SAMARAKOON
11:15	S6-4-2	STUDY OF A HYDRAULIC JUMP FORMED ON USTREAM VEGETATION IN A STEADY SUPER-CRITICAL FLOW	GHUFRAN AHMED PASHA
11:30	S6-4-3	PHYSICAL MODELLING OF TSUNAMI ENERGY REDUCTION THROUGH VERTICALLY TWO LAYERED RIGID VEGETATION	RASHEDUNNABI A H M
11:45	S6-4-4	UNDERSTANDING TRAPPING OF DEBRIS BY COASTAL BIOSHIELD: A FIRST STEP INTO MODELLING DEBRIS MOVEMENT AND TRAPPING	ROWAN ST GREGORY SACHIKA DE COSTA

SESSION NAME SS12: HYBRID TSUNAMI MITIGATION BY NATURAL AND ARTIFICIAL STRUCTURES			
SESSION CHAIR		METHSIRI B SAMARAKOON, KOSUKE IIMURA	ROOM: 141
TIME	NUMBER	TITLE	AUTHOR
14:00	S6-5-1	EXPERIMENTAL STUDY ON THE ENERGY REDUCTION OF A SOLITARY WAVE USING A SAND DUNE-COASTAL LAGOON SYSTEM	CHANAKA VINODH TALPE LIYANAGE
14:15	S6-5-2	EXPERIMENTAL STUDY ON THE EFFECTIVE TSUNAMI ENERGY REDUCTION UTILIZING A FRONT SPACE OF EXISTING COASTAL FOREST	YUYA KIMIWADA
14:30	S6-5-3	EFFECTIVE COMPOUND DEFENSE SYSTEM COMPRISE OF EMBANKMENT, MOAT AND COASTAL FOREST FOR TSUNAMI ENERGY REDUCTION AND THE DELAY IN ARRIVAL TIME	TAKEHITO ZAHA
14:45	S6-5-4	EFFECT OF A HYBRID DEFENSE SYSTEM CONSIST OF A STEP AND COASTAL FOREST ON THE REDUCTION OF TSUNAMI FORCE	YOSHIYA IGARASHI
15:00	S6-5-5	EXPERIMENTS FOR EFFECTS OF COASTAL FORESTS ON SCOURING BEHIND COASTAL EMBANKMENT INDUCED BY TSUNAMI OVERFLOW	KOSUKE IIMURA

SESSION NAME SS26: TRANSDISCIPLINARY MANAGEMENT OF WADI FLASH FLOODS IN THE ARID AND SEMIARID ENVIRONMENTS			
SESSION CHAIR		TETSUYA SUMI	ROOM: 141
TIME	NUMBER	TITLE	AUTHOR
16:00	S6-6-1	PARAMETRIZATION OF THE SNYDER UNIT HYDROGRAPH METHOD FOR ARID REGIONS	LUMINDA NIROSHANA GUNAWARDHANA
16:15	S6-6-2	LONG-TERM EXTREME FLASH FLOODS ANALYSIS BASED ON HYDROCHRONOLOGICAL APPROACH FOR WADI SYSTEMS IN ARID REGIONS	MOHAMED SABER
16:30	S6-6-3	EVALUATION OF RRI MODEL FOR FLASH FLOOD SIMULATION IN THE ARID WADI SYSTEMS	MOHAMMED ABDEL-FATTAH
16:45	S6-6-4	MODELLING THE INFLUENCE OF TIDAL IMPOUNDMENTS ON ECOSYSTEM SERVICES USING A SYSTEM DYNAMICS APPROACH	EVA K FENRICH

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SESSION NAME		KS5: MITIGATING ENVIRONMENTAL IMPACTS OF DAMS	
SESSION CHAIR		MARTIN WILKES	ROOM: 142
TIME	NUMBER	TITLE	AUTHOR
11:00	S7-4-1	POWER POSITION OF THE PYRAMID LAKE PAIUTE TRIBE IN THE TRUCKEE RIVER OPERATING AGREEMENT, U.S.A.	KARLETTA CHIEF
11:15	S7-4-2	FLOW FEATURES FOR FISHWAY DESIGN	OSCAR LINK
11:30	S7-4-3	VERTICAL SLOT FISHWAY PASSAGE EFFICIENCY FOR RIVER CONNECTIVITY RESTORATION IN CHINA: A CASE STUDY	HUI JIANG BAO
11:45	S7-4-4	EVALUATION OF CONICAL POOL-WEIR FISHWAY ON HYDRAULIC CHARACTERISTICS AND MIGRATION ENERGY CONSUMPTION OF FISH	TIANPENG RUAN

SESSION NAME		KS5: MITIGATING ENVIRONMENTAL IMPACTS OF DAMS	
SESSION CHAIR		MARTIN WILKES	ROOM: 142
TIME	NUMBER	TITLE	AUTHOR
14:00	S7-5-1	FISH LADDER EFFECTIVISATION: RECONSTRUCTION OF THE STORNORRFORS B-SPILLWAY	KRISTIAN PATRIK ANGELE
14:15	S7-5-2	CFD MODELLING OF FISH-FRIENDLY TRASH-RACK IN OPEN CHANNEL	MARCELL SZABO-MESZAROS
14:30	S7-5-3	HYDROMORPHOLOGICAL CLASSIFICATION SYSTEM FOR LAKES AND RESERVOIRS	TOR HAAKON BAKKEN
14:45	S7-5-4	PRINCIPLES AND METHODS IN FISH PASSAGE MANAGEMENT: AN INTERNATIONAL PERSPECTIVE	MARTIN ANTHONY WILKES
15:00	S7-5-5	THE ENVIRONMENTAL STRESS VARIATION BETWEEN OUTSIDE AND INSIDE OF RESTORATED REED COMMUNITY FOR THE LARVAE OF ODONATA HABITATING IN RIPARIAN WETLAND	GWO-WEN HWANG

SESSION NAME		SS24: DAM RESERVOIR AND SURROUNDING ECOSYSTEMS IN MONSOON ASIA	
SESSION CHAIR		CHIHIRO YOSHIMURA, KAZUMI TANIDA	ROOM: 142
TIME	NUMBER	TITLE	AUTHOR
16:00	S7-6-1	CONDITIONS OF ESTABLISHMENT FOR THE SALIX COMMUNITY AT DAM RESERVOIR ECOTONE (LOWER THAN NORMAL WATER LEVELS ALONG A DAM RESERVOIR SHORELINE)	KAZUHIRO AZAMI
16:15	S7-6-2	MACROINVERTEBRATES COMMUNITY AT THE AQUATIC AND TERRESTRIAL TRANSITION ZONE OF SLIX FOREST AT MIHARU DAM RESERVOIR, FUKUSHIMA PREFECTURE, NORTHERN JAPAN	KAZUMI TANIDA
16:30	S7-6-3	CAUSALITY ANALYSIS AND PREDICTION OF MIB-RELATED ODOR EVENTS IN KAMAFUSA RESERVOIR	MANNA WANG
16:45	S7-6-4	IMPACT OF WATER LEVEL FLUCTUATION ON NUTRIENT AND SEDIMENT DYNAMICS IN A SHALLOW LAKE: A CASE OF TONLE SAP LAKE, CAMBODIA	RAJENDRA KHANAL
17:00	S7-6-5	DETERMINATION OF TRACE ELEMENTS AND RADIO ISOTOPES IN FISH, POM AND SEDIMENT SAMPLES COLLECTED AT MIHARU-DAM LAKE, FUKUSHIMA, JAPAN	KAORI NODA
17:15	S7-6-6	THE ECOLOGICAL STATUS CHANGES DUE TO THE DAM CONSTRUCTION EFFECTS: A CASE STUDY OF KARST WATER AREAS, CHINA	WEIWEI YAO

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SESSION NAME		SS9: IMAGE PROCESSING IN ECOHYDRAULICS	
SESSION CHAIR		MARKUS NOACK, JEFFREY TUHTAN	ROOM: 143
TIME	NUMBER	TITLE	AUTHOR
11:00	S8-4-1	COMPUTER VISION BASED ANALYSIS OF FISH MOVEMENT IN BRUSH FISH PASSAGE	YASIN YILDIRIM
11:15	S8-4-2	USING STRUCTURE-FROM-MOTION FOR MEASURING POROSITIES OF FREEZECORE SAMPLES	LYDIA SEITZ
11:30	S8-4-3	APPLICATION OF STRUCTURE FROM MOTION FOR LARGE WOODY DEBRIS RESEARCH	GABRIEL SPREITZER
11:45	S8-4-4	USING NOVEL PHOTOMETRIC TECHNIQUES FOR INVESTIGATION OF ECOHYDRAULIC SEDIMENTATION PROCESSES: TURBIDITY CURRENTS	RICHARD I WILSON
12:00	S8-4-5	STRUCTURES FOR EXPERIMENTALLY-BASED DEFINITION OF ENVIRONMENTAL FLOWS IN HIGH-ALTITUDE STREAMS	DANIELA ROSERO-LOPEZ
12:15	S8-4-6	EXAMINATION OF MACHINE LEARNING ALGORITHMS FOR RIVERINE LANDSCAPE CLASSIFICATION IN UAV REMOTE SENSING IMAGES	AKITO MOMOSE

SESSION NAME		SS9: ADVANCES IN MEASUREMENT AND DATA PROCESSING IN ECOHYDRAULICS II	
SESSION CHAIR		JEFFREY TUHTAN, SHINJI FUKUDA	ROOM: 143
TIME	NUMBER	TITLE	AUTHOR
14:00	S8-5-1	MAKING USE OF BROAD-SCALE DATASETS IN ECOHYDROLOGY	ELEANORE HEASLEY
14:15	S8-5-2	FLUME MEASUREMENT OF SUSPENDED SEDIMENT CONCENTRATIONS USING HIGH-ACCURACY TURBIDITY SENSORS IN VEGETATED FLOWS	JUHA JARVELA
14:30	S8-5-3	INVESTIGATING THE EFFECTS OF FINE SEDIMENT INFILTRATION INTO GRAVEL ON HEAT EXCHANGE: A FLUME EXPERIMENT USING DISTRIBUTED TEMPERATURE SENSING	PAUL JOSEPH KINZEL
14:45	S8-5-4	WAVE INTERACTION OF PARTIALLY IMMERSED SEMICIRCULAR BREAKWATER SUSPENDED ON PILES USING FLOW-3D	AHMED ABDELKHALEK ABOZAID
15:00	S8-5-5	FIELD AND COMPUTATIONAL ANALYSIS OF THE HYDRODYNAMIC EFFECTS OF SHIP INDUCED WAVES IN THE LITTORAL ZONE OF A LARGE RIVER	GABOR FLEIT
15:15	S8-5-6	FLOW CHARACTERISTICS AROUND A PILE-GROUP DIKE	OBADULLAH SAFIE

SESSION NAME		SS9: DATA-DRIVEN MODELLING	
SESSION CHAIR		SHINJI FUKUDA, RAFAEL MUNOZ MAS	ROOM: 143
TIME	NUMBER	TITLE	AUTHOR
16:00	S8-6-1	SIMULATING GEZHOUBA RESERVOIR OPERATION USING THE RECURRENT NEURAL NETWORK DEEP LEARNING ALGORITHM	DI ZHANG
16:15	S8-6-2	ASSESSING CLIMATE CHANGE EFFECTS ON FRESHWATER FISH HABITAT SUITABILITY BY INTEGRATING HYDRAULIC AND PHYSIOLOGICAL PARAMETERS	TAEYONG SHIM
16:30	S8-6-3	NUMERICAL SIMULATION OF WAVE DISSIPATION IN COASTAL FOREST AT DIFFERENT GROWTH STAGE	XIAOXIA ZHANG
16:45	S8-6-4	DEVELOPMENT OF RIVER ECOSYSTEM MODEL CONSIDERING ECOLOGICAL CHARACTERISTICS OF AQUATIC ORGANISMS	TAKANORI KONO
17:00	S8-6-5	EXPERT-KNOWLEDGE OR DATA-DRIVEN FUZZY MODELS? A COMPARISON EMPLOYING THE BROWN TROUT (SALMO TRUTTA L.)	RAFAEL MUNOZ MAS

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SESSION NAME			
KS4: MULTIDISCIPLINARY METHODS AT REGIONAL OR LARGE SCALE			
SESSION CHAIR		MICHAEL MCCLAIN	ROOM: CST HALL
TIME	NUMBER	TITLE	AUTHOR
11:00	S1-7-1	AN ECOLOGICALLY BASED APPROACH FOR SELECTING FLOW METRICS FOR ENVIRONMENTAL FLOW APPLICATIONS	SARAH M YARNELL
11:15	S1-7-2	ESTABLISHING ENVIRONMENTAL FLOW TARGETS IN COMPLEX ENVIRONMENTS	ERIC D STEIN
11:30	S1-7-3	AN EXTENSIBLE FRAMEWORK FOR INTEGRATING ECOHYDRAULICS AND ECOHYDROLOGY IN REGIONAL ENVIRONMENTAL FLOWS	BELIZE LANE
11:45	S1-7-4	EXPLORING THE ECOLOGICAL RESPONSES OF FISH AND MACROINVERTEBRATES COMMUNITIES TO HYDROLOGICAL ALTERATION IN THE JUCAR RIVER BASIN DISTRICT (EASTERN IBERIAN PENINSULA)	FRANCISCO MARTINEZ-CAPEL
12:00	S1-7-5	GLOBAL ENVIRONMENTAL FLOW REQUIREMENT BASED ON PRIMARY PRODUCTIVITY AND VULNERABILITY OF FLUVIAL ECOSYSTEMS	YUI SHINOZAKI

SESSION NAME			
KS4: ECOHYDRAULICS AND HYDROMORPHOLOGY			
SESSION CHAIR		FRANCISCO MARTINEZ-CAPEL	ROOM: CST HALL
TIME	NUMBER	TITLE	AUTHOR
14:00	S1-8-1	ECOHYDRAULICS FOR IMPROVED UNDERSTANDING OF HYDRO-MORPHOLOGICAL PROCESSES	ATLE HARBY
14:15	S1-8-2	SUSTAINABLE RIVER MANAGEMENT IN AUSTRIA	FRANZ GREIMEL
14:30	S1-8-3	EVALUATING RESPONSES TO ENVIRONMENTAL FLOWS USING HYDRAULICS: IMPROVED ECOLOGICAL REALISM AND TRANSFERABILITY AMONG SYSTEMS	ANGUS WEBB
14:45	S1-8-4	INTEGRATING GEOMORPHIC ASSESSMENTS IN ECOLOGICAL FLOW REGIMES: CASE STUDY IN THE SAN ANTONIO RIVER, TEXAS, USA	NOLAN RAPHELT
15:00	S1-8-5	UNDERSTANDING FLOW-BASED ECOLOGICAL DRIVERS THROUGH PREDICTIVE ANALYSIS TO MEET ENVIRONMENTAL OBJECTIVES	IAN MICHAEL HOUGH
15:15	S1-8-6	TWO DECADES OF ECOHYDRAULICS: TRENDS OF AN EMERGING INTERDISCIPLINE	ROSER CASAS-MULET

SESSION NAME			
KS4: WATER PLANNING AND HYDROLOGICAL ALTERATION			
SESSION CHAIR		MIKE STEWARDSON	ROOM: CST HALL
TIME	NUMBER	TITLE	AUTHOR
16:00	S1-9-1	ENVIRONMENTAL FLOWS CONSIDERING TRADE-OFFS BETWEEN SOCIO-ECONOMICS AND HABITAT NEEDS FOR NATIVE EUROPEAN EEL AND INVASIVE SPECIES IN THE CONTEXT OF GLOBAL CHANGE	FRANCISCO MARTINEZ-CAPEL
16:15	S1-9-2	A FLOW COMPONENT-BASED INTEGRATED ENVIRONMENTAL FLOW ASSESSMENT METHOD AND ITS APPLICATION TO LOWER REACH OF THE YELLOW RIVER	ZHENZHEN MA
16:30	S1-9-3	ASSESSING THE IMPACTS OF CASCADE RESERVOIRS ON ECOLOGICAL FLOWS IN THE YANGTZE RIVER	YUANKUN WANG
16:45	S1-9-4	USE OF INDICATORS OF HYDROLOGY FOR ASSESSING THE IMPACT OF THE THREE GORGES DAM OPERATION ON THE SPAWNING SUCCESS OF THE FOUR MAJOR CHINESE CARPS	XUAN BAN
17:00	S1-9-5	30 YEARS OF BRIDGING RIVER FLOW AND ENVIRONMENTAL PROCESSES, WHERE ARE WE?	MARIE-PIERRE GOSSELIN
17:15	S1-9-6	A DUAL OBJECTIVE OPTIMIZATION METHOD FOR DETERMINING THE THRESHOLD FLOW ON THE PREMISE OF CROP YIELD AND ECOLOGICAL FLOW SECURITY	XIANG HUA HE

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SESSION NAME SS41: COASTAL WETLAND RESTORATION AND ECOSYSTEM SERVICES ENHANCEMENT			
SESSION CHAIR		BAOSHAN CUI, JUNHONG BAI	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
11:00	S2-7-1	INTEGRATING THE STRESS ECO-PHYSIOLOGY INTO THE PARADIGM OF MANGROVE REHABILITATION	ABNER PLAZA BARNUEVO
11:15	S2-7-2	SEASONAL CHANGES IN PHOSPHORUS FRACTIONS AND POTENTIAL BIOAVAILABILITY IN SOIL PROFILES FROM COASTAL SALT MARSHES AND FRESHWATER RESTORATION WETLANDS IN A CHINESE ESTUARY	JUNHONG BAI
11:30	S2-7-3	EFFECTS OF TIDAL FLOW RESTORATION AND FRESHWATER INPUTS ON SOIL QUALITY IN THE YELLOW RIVER DELTA, CHINA	QINGQING ZHAO
11:45	S2-7-4	SHIFTS OF SOIL MICROBIAL COMMUNITY COMPOSITION ALONG A SHORT-TERM INVASION CHRONOSEQUENCE OF SPARTINA ALTERNIFLORA IN A CHINESE COASTAL SALT MARSH	GUANGLIANG ZHANG
12:00	S2-7-5	CADMIUM AND LEAD ADSORPTION AND IMMOBILIZATION BY BIOCHARS PYROLYZED FROM SALT MARSH PLANTS OF YELLOW RIVER ESTUARY	RONG XIAO

SESSION NAME SS41: COASTAL WETLAND RESTORATION AND ECOSYSTEM SERVICES ENHANCEMENT			
SESSION CHAIR		BAOSHAN CUI, JUNHONG BAI	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
14:00	S2-8-1	RESTORING THE ECOLOGY OF A COASTAL WETLAND UNDER A CHANGING CLIMATE AND RISING SEA LEVEL	SHADANANAN NAIR KRISHNAPILLAI
14:15	S2-8-2	DISTURBANCE OF TIDAL EVENTS MODIFY FACILITATION OF MICROTOPOGRAPHIC STRUCTURES ON PLANT RECRUITMENT	QING WANG
14:30	S2-8-3	COMPREHENSIVE METABOLOME PROFILING OF MEDICAL HALOPHYTE SALICORNIA EUROPAEA BY LARGE-SCALE TARGETED METABOLOMICS	XIN WANG
14:45	S2-8-4	RESTORATION ACCELERATING RECOVERY OF COASTAL SALT MARSHES FOLLOWING THE DEEPWATER HORIZON OIL SPILL	QIANXIN LIN
15:00	S2-8-5	MULTIPLE MECHANISMS GENERATING GEOMORPHIC CONTROL OF SEEDLING ESTABLISHMENT IN A INTERTIDAL SALT MARSH	DONGDONG QIU

SESSION NAME SS41: COASTAL WETLAND RESTORATION AND ECOSYSTEM SERVICES ENHANCEMENT			
SESSION CHAIR		BAOSHAN CUI, JUNHONG BAI	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
16:00	S2-9-1	ASSESSMENT ON WATERBIRD HABITAT RESTORATION IN CIGU WETLANDS, TAIWAN	WEI PO HUANG
16:15	S2-9-2	LITTER MASS LOSS AND NUTRIENT DYNAMICS OF COASTAL PLANT DECOMPOSITION IN THE YELLOW RIVER ESTUARY WETLAND	FANGFANG WANG
16:30	S2-9-3	SPATIAL DISTRIBUTION OF SULFATE REDUCING AND SULFIDE OXIDIZING BACTERIA IN WETLAND SOILS ALONG A WATER AND SALT GRADIENT IN THE YELLOW RIVER DELTA, CHINA	QIONGQIONG LU

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SESSION NAME SS25: PHYSICAL-CHEMICAL PROCESSES AND ECOSYSTEMS IN RIPARIAN ZONES (1)			
SESSION CHAIR		TAKU FUJIWARA, XIAOQIANG CHEN	ROOM: 152
TIME	NUMBER	TITLE	AUTHOR
11:00	S3-7-1	BIOGEOCHEMICAL ASPECTS OF THE INTERACTION OF SURFACE WATER AND GROUND WATER IN CARST CAVE	LIUBOV KONDRATYEVA
11:15	S3-7-2	TOXICITY RESPONSES OF LOCAL FARMING WITH BIOMARKER IN A HEAVY METALS POLLUTED REGION FROM LE'AN REGION	YONG JI
11:30	S3-7-3	DROUGHT IMPACTS ON PHYSICO-CHEMICAL WATER QUALITY OF A DRINKING WATER RESERVOIR IN NORTHEAST CHINA	GUOSHUAI QIN
11:45	S3-7-4	THE EFFECT ON THE WATER QUALITY DETERIORATION AND GREENHOUSE GAS PRODCUTION IN RESERVOIR WITH HEAVY RAINFALL EVENT	XIAOQIANG CHEN
12:00	S3-7-5	REMOVAL OF TETRACYCLINE AND TETRACYCLINE RESISTANCE GENES FROM WASTEWATER BY CONSTRUCTED WETLANDS	TADASHI TOYAMA
12:15	S3-7-6	EVALUATION ON THE IMPACT OF ARTIFICIAL POLLUTANT CONTROL PROJECTS IN A CURRENT-COMPLICATED RIVER-LAKE HUA WANG REGION USING 1-2D WATER QUALITY MODEL	

SESSION NAME SS25: PHYSICAL-CHEMICAL PROCESSES AND ECOSYSTEMS IN RIPARIAN ZONES (2)			
SESSION CHAIR		HAO ZHANG, TADASHI TOYAMA	ROOM: 152
TIME	NUMBER	TITLE	AUTHOR
14:00	S3-8-1	EFFECTS OF AQUATIC HABITATS IMPROVEMENT BY DIFFERENT SUBMERGENCE CONDITIONS OF GROINS IN CITY RIVERS	QIAN LI
14:15	S3-8-2	INFLUENCES OF RIVER BANK PROTECTION STRUCTURES ON SEDIMENT CHARACTERISTICS AND PHOSPHORUS DISTRIBUTIONS	HAO ZHANG
14:30	S3-8-3	INFLUENCE OF CLOGGING AND BIOTURBATION ON HYPORHEIC EXCHANGE IN LOTIC ENVIRONMENTS	SHIVANSH SHRIVASTAVA
14:45	S3-8-4	MACROINVERTERBATES AS INDICATORS FOR THE ECOLOGICAL SIGNIFICANCE OF CUTOFF IN HIGH PLATEAU MEANDERING RIVERS IN THE ZOIGE WETLAND, CHINA	XIONGDONG ZHOU
15:00	S3-8-5	BIOFILM FORMATION IN THE PORE SPACE OF UNDERGROUND AQUIFER	ZOYA NIKOLAEVNA LITVINENKO
15:15	S3-8-6	FACTORS OF MERCURY METHYLATION IN THE ICE OF THE AMUR RIVER	EVGENIIA GOLUBEVA

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SESSION NAME		SS38-40: FISH PASSAGE	
SESSION CHAIR		TERESA FERREIRA	ROOM: 153
TIME	NUMBER	TITLE	AUTHOR
11:00	S4-7-1	RETROSPECTIVE DESIGN OF NATURE-ORIENTED FISHWAYS	ROMAN B. WEICHERT
11:15	S4-7-2	FISH PASSAGE BASED ON STONE MASONRY WITH STACKING BOULDERS	YOUICHI YASUDA
11:30	S4-7-3	FLOW CHARACTERISTICS OF HYDRAULIC JUMPS BELOW LOW DROP STRUCTURES	YOUICHI YASUDA
11:45	S4-7-4	LARGE-SCALE DATA FOR ADAPTIVE BARRIER MANAGEMENT: THE AMBER ATLAS	WOUTER VAN DE BUND

SESSION NAME		SS38-40: FISH PASSAGE	
SESSION CHAIR		NORIYUKI KOIZUMI, XIATAO XI	ROOM: 153
TIME	NUMBER	TITLE	AUTHOR
14:15	S4-8-1	STUDY ON THE ECO-HYDRAULIC MECHANISM OF LAKE-RIVER MIGRATORY FISH PASSING THROUGH THE SLUICE	CHENJUN ZENG
14:30	S4-8-2	EFFECT OF FATIGUE ON SWIMMING CAPABILITY AND RESPIRATORY METABOLISM OF PROCYPRIS RABAUDI	LU CAI
14:45	S4-8-3	MOVEMENT OF TAIL BEATS AND SWIMMING SPEED OF THE SMALL GOBY (GYMNOGOBIUS UROTAENIA SP.) BY FIELD SWIMMING EXPERIMENT USING RIVER WATER	MATTASHI IZUMI
15:00	S4-8-4	IMPROVEMENT OF THE V-SHAPED PORTABLE FISHWAY THAT ENABLES QUICK CREATION OF MIGRATION ENVIRONMENT IN RIVER AND ITS FIELD EXPERIMENTS	NAOKI TAKAHASHI

SESSION NAME		SS38-40: FISH PASSAGE	
SESSION CHAIR		TEPPO VEHANEN	ROOM: 153
TIME	NUMBER	TITLE	AUTHOR
16:00	S4-9-1	RESEARCH OVERVIEW ON MULTI-SPECIES DOWNSTREAM MIGRATION MEASURES AT THE FITHYDRO TEST CASE HPP BANNWIL	CARL ROBERT KRIEWITZ-BYUN
16:15	S4-9-2	INSTALLATION OF SIPHON SYSTEM PIPE-TYPE FISHWAY IN INDONESIA, JAPAN AND IRAN	YUKIO OTA
16:30	S4-9-3	FLOW CHARACTERISTICS OF FISH LADDERS AND GUIDANCE SYSTEMS FOR MULTIPLE SPECIES	KEIKO MURAOKA
16:45	S4-9-4	MIGRATION DYNAMICS MODEL OF THE CHINESE STURGEON IN THE YANGTZE RIVER	LUHAI WANG
17:00	S4-9-5	HYDRAULIC IMPACT AND SEASONAL VARIATION ON FISH MIGRATION IN FISH PASS OF BANGLADESH	BIJOY KUMAR GHOSH
17:15	S4-9-6	NUMERICAL SIMULATION OF 3D FLOW STRUCTURE IN OPEN-CHANNEL COMBINING FLOWS	CHENG ZENG

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SESSION NAME		SS31: INSTREAM HABITAT MODELLING AND ASSESSMENT	
SESSION CHAIR		PAUL FRANKLIN, SHINJI FUKUDA	ROOM: 154
TIME	NUMBER	TITLE	AUTHOR
11:00	S5-7-0	INTRODUCTION	SHINJI FUKUDA, PAUL FRANKLIN
11:15	S5-7-1	IMPORTANCE OF SMALL STREAMS: FOUR-YEAR MONITORING OF INSTREAM FLOW AND FISH FAUNA IN AN IRRIGATION CHANNELS	SHINJI FUKUDA
11:30	S5-7-2	FISH SPECIES TURNOVER ALONG HYDRAULIC HETEROGENEITIES: DESIGNING ENVIRONMENTAL FLOWS FOR SPECIES CO-EXISTENCE IN AN IRRIGATION CHANNEL NETWORK	MITSURU OHIRA
11:45	S5-7-3	APPLICATION OF SEFA, SYSTEM FOR ENVIRONMENTAL FLOW ANALYSIS, TO ASSESS THE HABITAT AVAILABILITY FOR COMPETING FISH SPECIES IN A SPRING-FED URBAN STREAM IN TOKYO, JAPAN	MARINA DE MIGUEL
12:00	S5-7-4	CANAL BED EVOLUTION AND CURRENT VELOCITY DISTRIBUTION IN ARTIFICIALLY-CREATED NEST AND POOL HABITATS IN RURAL AREA	SHIGEYA MAEDA
12:15	S5-7-5	PHYSICAL HABITAT SIMULATION FOR MACROINVERTEBRATE COMMUNITY BASED ON HABITAT ORIENTATION GROUPS	SEUNG KI KIM

SESSION NAME		SS31: SPECIES MIGRATION AND NUMERICAL ANALYSIS	
SESSION CHAIR		SHINJI FUKUDA, PAUL FRANKLIN	ROOM: 154
TIME	NUMBER	TITLE	AUTHOR
14:00	S5-8-1	FISH BARRIERS IN SMALL STREAMS: A BAYESIAN NETWORK MODEL FOR EVALUATING LIKELIHOOD OF FISH PASSAGE SUCCESS AT CULVERTS	PAUL ANTHONY FRANKLIN
14:15	S5-8-2	CONTRIBUTION OF CHANNEL CURVATURE FOR FISH EVACUATION: AN INTEGRATED APPROACH OF EXPERIMENT AND NUMERICAL ANALYSIS	TOMOKO KYUKA
14:30	S5-8-3	A NON-LOCAL DESCRIPTION OF UPSTREAM FISH MIGRATION: LINKAGE BETWEEN SCHOOL SHAPE AND MIGRATION DYNAMICS	HIDEKAZU YOSHIOKA
14:45	S5-8-4	EXPERIMENTAL STUDY ON THE EFFECT OF GOLDEN MUSSEL ATTACHMENT ON THE ROUGHNESS OF WATER TRANSFER PIPELINE	JIAHAO ZHANG
15:00	S5-8-5	REVEALING THE ROLE OF HYPORHEIC WATER EXCHANGE IN MACROINVERTEBRATES DISTRIBUTION, COMPOSITION AND ABUNDANCE IN A SMALL EUROPEAN LOWLAND RIVER	MATEUSZ GRYGORUK

SESSION NAME		GS-HABITAT: HABITAT MODELLING & ASSESSMENT	
SESSION CHAIR		SHINJI FUKUDA	ROOM: 154
TIME	NUMBER	TITLE	AUTHOR
16:00	S5-9-1	ECOHYDRAULICS MODEL FOR SUCCESSFUL RIVER AND LAKE RESTORATION	WEIWEI YAO
16:15	S5-9-2	REACTIVATION OF ALLUVIAL DYNAMICS ON THE RHÔNE RIVER: FROM FEASIBILITY STUDIES TO FIRST RESTORATION WORK	YOANN LAFFONT
16:30	S5-9-3	LAND USE/COVER CHANGE IN THE TARIM RIVER BASIN OVER 1995-2014 AND ITS DRIVING FACTORS FOR SUSTAINABLE NATURE RESOURCE MANAGEMENT	XIAOYA DENG
16:45	S5-9-4	EFFECTS OF UPWARD WEIR WITH AN OPENING ON RIVER BED AND FLOW STRUCTURE	HIROTAKA UNE

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SESSION NAME SS33: SUSTAINABLE RIVER BASIN MANAGEMENT LOOKING FROM INSTITUTIONAL AND CULTURAL PERSPECTIVES			
SESSION CHAIR		GUANGWEI HUANG	ROOM: 141
TIME	NUMBER	TITLE	AUTHOR
11:00	S6-7-1	QUANTITATIVE ESTIMATION OF URBANIZATION IMPACTS ON NON-POINT SOURCE POLLUTION EXPORT IN THE PINGQIAO RIVER BASIN, CHINA, USING A SPATIAL HYDROGRAPH-SEPARATION APPROACH	HAN XUE
11:15	S6-7-2	WATARASE-YUSUICHI AS INTEGRATED RIVER BASIN MANAGEMENT	MIKIKO M SUGIURA
11:30	S6-7-3	WELL-BEING, CAPABILITIES, SUSTAINABILITY - EMPOWERMENT AND PARTICIPATION OF SMALLHOLDERS AND WOMEN IN COMMUNITY-BASED IRRIGATION MANAGEMENT	MASAHITO ENOMOTO
11:45	S6-7-4	ENABLING COORDINATION OF INDEPENDENT STAKEHOLDERS TO MINIMIZE IMPACTS OF DAM CONSTRUCTION AND OPERATION AT MACROBASIN SCALE: AN INFORMATION TECHNOLOGY APPROACH	CARLOS ANDRES ROGELIZ
12:00	S6-7-5	CONSERVATION OF THE RIVER AND ITS CULTURAL VALUE IN THE ENVIRONMENTAL TREATIES	SHIINA SUZUKI

SESSION NAME SS28: CURRENT SITUATION AND PROBLEMS OF WATER ENVIRONMENT IN MYANMAR			
SESSION CHAIR		TAKESHI FUJINO	ROOM: 141
TIME	NUMBER	TITLE	AUTHOR
14:00	S6-8-1	OVERVIEW OF WATER ENVIRONMENT AND MANAGEMENT IN MYANMAR	TAKESHI FUJINO
14:15	S6-8-2	FLOATING TOMATO GARDENS IN INLE LAKE, SHAN STATE IN MYANMAR	AUNG PHYO
14:30	S6-8-3	INFLUENCE OF FLOATING CULTIVATION IN INLE LAKE ON WATER BALANCE, SHAN STATE IN MYANMAR	HTET HTET MOE
14:45	S6-8-4	ESTIMATION OF NUTRIENT LOADINGS IN KASUMIGAURA LAKE'S OUTFLOW TO TONE RIVER USING A BOX MODEL APPROACH	ALEJANDRO DIAZ ARAGON
15:00	S6-8-5	ECOSYSTEM STRUCTURES ALONG A NUTRIENT AND STOICHIOMETRY GRADIENT IN HUN-TAI RIVER, NORTHEAST CHINA	XIAODONG QU
15:15	S6-8-6	WATER TEMPERATURE IMPACT OF CASCADE HYDROPOWER STATION ON THE LOWER JINSHA RIVER, CHINA	LEI LEI QIN

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SESSION NAME			
SS35: PHYSICAL, CHEMICAL, AND BIOLOGICAL PROCESSES OF SEDIMENT AND SUSPENDED PARTICLES			
SESSION CHAIR		RYUICHIRO SHINOHARA	ROOM: 142
TIME	NUMBER	TITLE	AUTHOR
11:00	S7-7-1	PHYSICAL, CHEMICAL, AND BIOLOGICAL ASPECTS OF PHOSPHORUS IN LAKES AND RESERVOIRS	RYUICHIRO SHINOHARA
11:15	S7-7-2	WATER QUALITY CHARACTERISTICS OF SURFACE RIVER WATERS AND SALINITY INTRUSION IN THE LOWER CHAO PHRAYA RIVER, THAILAND	YUSUKE HORIUCHI
11:30	S7-7-3	CONCENTRATION OF SOME HEAVY METAL IN WATER AND IN EHYDRA FLUCTUANS COLLECTED FROM CAU THAO THI PHUONG RIVER AT RIVER SECTION FROM SON CAM TO CAU TRA VUON	VU
11:45	S7-7-4	IMPACT OF TIDE ON VERTICAL CU TRANSPORT IN A RIVER-CONNECTED LAKE	YEYE YANG
12:00	S7-7-5	HOW BIOTURBATION ACTIVITY BY MACROINVERTEBRATES AFFECT THE PHYSICAL STRUCTURE OF SUB SURFACE SEDIMENTS IN RIVER SYSTEMS	GARIMA LAKHANPAL

SESSION NAME			
SS35: PHYSICAL, CHEMICAL, AND BIOLOGICAL PROCESSES OF SEDIMENT AND SUSPENDED PARTICLES			
SESSION CHAIR		RYUICHIRO SHINOHARA	ROOM: 142
TIME	NUMBER	TITLE	AUTHOR
14:00	S7-8-1	FIELD MEASUREMENTS ON VELOCITY DISTRIBUTION RELATED TO BEHAVIOR OF SUSPENDED SEDIMENT IN A STRATIFIED RESERVOIR	MAKOTO UMEDA
14:15	S7-8-2	THE SEASONAL VARIATION AND DECOMPOSITION OF CYANOBACTERIA (MICROCYSTIS SPP.) ON SEDIMENT AT LAKE KASUMIGAURA	YUMI NAGAHAMA
14:30	S7-8-3	EFFECTS OF WATER DIVERSION FROM YANGTZE RIVER TO LAKE TAIHU ON THE PHYTOPLANKTON HABITAT OF WANGYU RIVER CHANNEL	JIANGYU DAI
14:45	S7-8-4	SEDIMENT TRANSPORT INDUCED BY SCOUR AROUND VERTICAL STRUCTURES IN STEADY CURRENT	SHENGTAO DU
15:00	S7-8-5	CHARACTERIZATION OF HISTORICAL ENVIROMENTAL CONDITIONS DURING HARMFUL ALGAE BLOOM IN AUSTRAL FJORDS OF CHILE	ESPERANZA CEA-MARTINEZ

SESSION NAME			
SS35: PHYSICAL, CHEMICAL, AND BIOLOGICAL PROCESSES OF SEDIMENT AND SUSPENDED PARTICLES			
SESSION CHAIR		RYUICHIRO SHINOHARA	ROOM: 142
TIME	NUMBER	TITLE	AUTHOR
16:00	S7-9-1	SWIMMING CHARACTERISTICS OF HETEROSIGMA AKASHIWO IN THREE-DIMENSIONAL VORTICITY FIELD	XIAO CHEN
16:15	S7-9-2	HYDRODYNAMICS OF A LAKE REGULATED BY SLUICES	HAO CAO
16:30	S7-9-3	STUDIES ON HYDRODYNAMIC MODELING OF POYANG LAKE AND ITS FLOW CHARACTERISTICS	CHENYU JIANG
16:45	S7-9-4	MODELING OF THE EFFECTIVENESS OF LARVICIDES FOR CONTROLLING WEST NILE VIRUS IN URBAN DRAINAGE SYSTEMS	JAMES Y LI

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SESSION NAME			
SS15: RIPARIAN VEGETATION PROCESSES - KNOWLEDGE, MODELLING AND MANAGEMENT			
SESSION CHAIR		ROOM: 143	
HYOSEOP WOO, ROHAN BENJANKAR			
TIME	NUMBER	TITLE	AUTHOR
11:00	S8-7-1	RESEARCH ON RELATIONSHIP OF VEGETATION GROWTH CONDITION OF KUSHIRO MIRE USING THE RANDOM FOREST METHOD	KANJU SAKUMA
11:15	S8-7-2	SEDIMENT SORTING OF THE BED SURFACE IN THE VEGETATED CHANNELS	CHANG-LAE JANG
11:30	S8-7-3	HABITAT EVALUATION OF RIVERINE PLANT COMMUNITIES BASED ON HISTORICAL HYDROGEOMORPHIC CONDITION	MAHITO KAMADA
11:45	S8-7-4	EFFECTS OF RAINFALL PATTERN CHANGES ON RIPARIAN VEGETATION EXPANSION	SINAE KIM
12:00	S8-7-5	CHARACTERISTICS OF FLOW AND BEDFORM IN A RIVER REACH WITH COBBLE BAR VEGETATION AND ITS REFUGIA	KAYO ASAMI

SESSION NAME			
SS15: RIPARIAN VEGETATION PROCESSES - KNOWLEDGE, MODELLING AND MANAGEMENT			
SESSION CHAIR		ROOM: 143	
SUNG UK CHOI, HITOSHI MIYAMOTO			
TIME	NUMBER	TITLE	AUTHOR
14:00	S8-8-1	MEASURING AND MODELLING PLANT TRAITS IN FLOODPLAINS OF REGULATED RIVERS	VALESCA HAREZLAK
14:15	S8-8-2	MODELING ALIEN PLANT INVASION IN RIVER SYSTEMS	MIJKE VAN OORSCHOT
14:30	S8-8-3	APPLICATION OF COTTONWOOD RECRUITMENT MODEL FOR COTTONWOOD MANAGEMENT	ROHAN BENJANKAR
14:45	S8-8-4	STUDY ON APPLICABILITY OF HORIZONTAL TWO-DIMENSIONAL RIVER BED VARIATION ANALYSIS TO DYNAMIC MODEL OF VEGETATION COLONIZATION IN SEDIMENT BARS OF A REGULATED RIVER	NARUHISA TANAKA
15:00	S8-8-5	LONG TERM RIPARIAN FOREST EVOLUTION UNDER A DAM INDUCED FLOW SCHEME: ACCOMPANYING A BID OF NUMERICAL MODELING PERSPECTIVE	BHAGYA MADUSANKHA NALLAPERUMA
15:15	S8-8-6	MODELING OF RIPARIAN VEGETATION DYNAMICS AND ITS APPLICATION TO SAND-BED RIVER	YUJI TODA

SESSION NAME			
SS15: RIPARIAN VEGETATION PROCESSES - KNOWLEDGE, MODELLING AND MANAGEMENT			
SESSION CHAIR		ROOM: 143	
QIUWEN CHEN, MAHITO KAMADA			
TIME	NUMBER	TITLE	AUTHOR
16:00	S8-9-1	WETLAND VEGETATION RESPONSES TO ENVIRONMENTAL WATER AND FLOODING: THE LOWER LACHLAN RIVER SYSTEM, AUSTRALIA	FIONA J DYER
16:15	S8-9-2	SPATIAL ASSOCIATIONS OF TWO RIPARIAN SPECIES FOLLOWING RIVER FLOODING	QIUWEN CHEN
16:30	S8-9-3	RIPARIAN VEGETATION ENCROACHMENT IN MEDITERRANEAN RIVERS	DIEGO GARCIA DE JALON
16:45	S8-9-4	OBSERVATIONS OF MORPHOLOGICAL AND VEGETATION DYNAMICS IN REGULATED RIVERS WITH ALTERNATE BARS	ALYSSA JENNIFER SERLET
17:00	S8-9-5	PROPAGATION STRATEGY OF POPULUS NIGRA L. AND SUCCESSIONAL PROCESSES WITHIN A RIPARIAN ECOSYSTEM ALONG THE LOWER RIVER ALLIER (FRANCE)	ELISABETH TINSCHERT
17:15	S8-9-6	STATISTICAL ANALYSIS ON THE CAUSES OF CHANGE IN RIPARIAN VEGETATION AREA IN AN UNREGULATED SAND-BED RIVER IN SOUTH KOREA	CHANJOO LEE

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SESSION NAME		KS4: HYDRAULICS AND HYDROLOGY	
SESSION CHAIR		FRANCISCO MARTINEZ-CAPEL	ROOM: CST HALL
TIME	NUMBER	TITLE	AUTHOR
11:00	S1-10-1	INVESTIGATING RIVER WETTED HABITAT SENSITIVITY TO FLOW CHANGE	CEDRIC LR LAIZE
11:15	S1-10-2	IMPACT ASSESSMENT OF CLIMATE CHANGE ON ENVIRONMENTAL FLOW COMPONENT BY USING HYDROLOGICAL INDICATORS - CASE STUDY OF KIKUCHI RIVER	REIHANEH MORID
11:30	S1-10-3	CONTROL EFFECT OF SALTWATER INTRUSION BY PLANE IMPROVEMENT PROJECT OF NORTH BRANCH IN THE CHANGJIANG ESTUARY	LIMING CHEN
11:45	S1-10-4	HYDROLOGICAL MODELLING OF REGULATED RIVERS USING RADAR-DERIVED PRECIPITATION DATA	LENNART SCHONFELDER
12:00	S1-10-5	STOCHASTIC RAINFALL DOWNSCALING USING BAYESIAN NEYMAN-SCOTT RECTANGULAR PULSE MODEL (NSRPM)	JANG-GYEONG KIM
12:15	S1-10-6	PERFORMANCE OF COPULA FUNCTION IN ESTIMATING ANNUAL PEAK FLOW	MOHAMMAD ZOUNEMAT KERMANI

SESSION NAME		GS-E-FLOW: FUNDAMENTAL AND PRACTICAL E-FLOW STUDIES	
SESSION CHAIR		MARIE-PIERRE GOSSELIN	ROOM: CST HALL
TIME	NUMBER	TITLE	AUTHOR
14:00	S1-11-1	IMPLEMENTING ECOLOGICAL FLOW RELEASE DEVICES IN EDP PORTUGUESE ANCIENT DAMS? CHALLENGES AND LESSONS LEARNED	JOAO MIGUEL OLIVEIRA
14:15	S1-11-2	MACROINVERTEBRATE DRIFT RESPONSE TO HYDROPEAKING SIMULATIONS WITH VARYING PEAK DISCHARGE AND RAMPING VELOCITIES	LISA SCHULTING
14:30	S1-11-3	AN APPROACH TO ENVIRONMENTAL FLOWS FOR ESTUARIES	ELEANOR M. GEE
14:45	S1-11-4	A MONITORING AND ADAPTIVE MANAGEMENT FRAMEWORK TO SUPPORT THE IMPLEMENTATION OF ENVIRONMENTAL FLOWS	LAUREN E ZIELINSKI
15:00	S1-11-5	HOLISTIC ECO-ENVIRONMENTAL FLOW ASSESSMENT IN A SEMI-ARID AND SEMI-HUMID REGION (HEFASS)	CUNWEN NIU

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SESSION NAME			
SS22: ECOHYDRAULIC APPROACHES TO ANALYSE MULTIPLE STRESSORS IN AQUATIC ECOSYSTEMS			
SESSION CHAIR		THOMAS HEIN, ELIZABETH BONDAR-KUNZE	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
11:00	S2-10-1	IS IT JUST THE FLOW: ADDRESSING PHYSICAL HABITAT DEGRADATION IN URBAN STREAM	DESMOND OFOSU ANIM
11:15	S2-10-2	DISENTANGLING MULTIPLE STRESSORS ON MACRO-INVERTEBRATE COMMUNITIES, USING A TRAIT BASED SPECIES DISTRIBUTION MODEL	PETER VERMEIREN
11:30	S2-10-3	PRELIMINARY EXPERIMENTS TO USE GAMMA RAY ATTENUATION FOR UNDISTURBED MEASUREMENTS OF FINE SEDIMENT INFILTRATION MASSES	MOHAMMAD ASSEM MAYAR
11:45	S2-10-4	COMPARING MARINE AND FRESH WATERS - USING A LINKAGE FRAMEWORK TO ASSESS MULTIPLE ACTIVITY-PRESSURE-ECOSYSTEM COMPONENT RELATIONS	DANIEL TRAUNER
12:00	S2-10-5	THE EFFECT OF THERMOPEAKING ON THE DEVELOPMENT AND COMPOSITION OF PERIPHYTON	ELISABETH BONDAR-KUNZE
12:15	S2-10-6	HOW FLOW AND SEASON INFLUENCE MACROINVERTEBRATE COMMUNITY IN A REGULATED ALPINE RIVER. IMPLICATIONS FOR MANAGEMENT AND DECISION-MAKING PROCESSES	RICCARDO FORNAROLI

SESSION NAME			
SS16: DEVELOPMENT OF THE KANTO REGION ECOLOGICAL NETWORK			
SESSION CHAIR		MASAMI HASEGAWA, KEIGO NAKAMURA	ROOM: 151
TIME	NUMBER	TITLE	AUTHOR
14:00	S2-11-1	DEVELOPMENT OF THE KANTO REGION ECOLOGICAL NETWORK	MASAMI HASEGAWA
14:15	S2-11-2	EFFORTS OF RIVER ADMINISTRATORS: WETLAND CREATION AND RESTORATION IN RIVER AREAS	KIYO KAGEYAMA
14:30	S2-11-3	EFFORTS OF NPOS/NGOS: CONSERVATION AND MANAGEMENT OF WILDLIFE HABITATS	AKIHIKO AOKI
14:45	S2-11-4	ACTIVITIES OF COMMITTEE ON ARAKAWA TARUEMON NATURE RESTORATION AREA	HIDEO KAWASHIMA
15:00	S2-11-5	EFFORTS OF PRIVATE COMPANIES: NUTRITION EDUCATION AND ENVIRONMENTAL EDUCATION HANDS-ON EVENTS, AND FACILITATION OF THE URBAN-SUBURBAN ECONOMIC BENEFIT FLOW	HARUKO KANAMARU
15:15	S2-11-6	CONSERVATION OF AQUATIC INSECT COMMUNITIES BY THE FALLOW FIELD BIOTOPE	TAWA KOTA

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SESSION NAME		SS29: EMERGENT MACROPHYTES AT COASTAL AND RIPARIAN ZONES	
SESSION CHAIR		WENXIN HUAI, DONGDONG SHAO	ROOM: 152
TIME	NUMBER	TITLE	AUTHOR
11:00	S3-10-1	PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF SALTMARSH PLANT SPARTINA ALTERNIFLORA TO LONG-TERM WAVE EXPOSURE	WEIWEI ZHOU
11:15	S3-10-2	FLOW STRUCTURE OF OPEN CHANNEL FLOW WITH PARTLY SUBMERGED VEGETATION	HAORAN SHI
11:30	S3-10-3	A SIMULATION OF LONGITUDINAL DISPERSION IN FLOWS THROUGH PARTIAL EMERGENT VEGETATION BASED ON LAGRANGIAN APPROACH	XUERONG LIANG
11:45	S3-10-4	SPECIES SELECTION FOR LITTORAL RESTORATION IN CHANGING WATER LEVEL ENVIRONMENTS	JOHN ALLAN CHAPMAN
12:00	S3-10-5	ONE-DIMENSIONAL ANALYTICAL MODELLING OF FLOATING SEED DISPERSAL IN TIDAL CHANNELS	WEI SHI
12:15	S3-10-6	IDENTIFYING THE EFFECT OF THE NUMBER OF STORAGE STATES ON BOTH ECONOMIC BENEFIT AND ECOLOGICAL DISTURBANCE WHEN USING DYNAMIC PROGRAMMING MODELS IN RESERVOIR OPERATION	HONGRUI LIU

SESSION NAME		GS-ECOHYDRAULICS: FUNDAMENTAL AND PRACTICAL ECOHYDRAULICS	
SESSION CHAIR		HIRANYA JAYASANKA	ROOM: 152
TIME	NUMBER	TITLE	AUTHOR
14:00	S3-11-1	PALAEOHYDRAULIC PARAMETERS FOR INITIATION SEDIMENT TRANSPORT IN KALIGANDAKI RIVER, NEPAL	MAHENDRA BAHADUR BANUYA
14:15	S3-11-2	APPLICATION OF THE PROJECT STATION METHOD TO ASSESS THE PREDICTED HYDROLOGICAL EFFECTS OF A PLANNED DAM	CHANEL NZANGO
14:30	S3-11-3	MODELLING THE GROWTH RATE OF ALGAL IN RIVER WITH SEDIMENT	HAO LI
14:45	S3-11-4	IMPACT OF SEASONAL WATERCOURSE HYDRAULICS AND FLOW MODELING UNCERTAINTIES ON ECOSYSTEM AND RIVER BANK HABITAT	Michel Soto Chalhoub

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SESSION NAME		SS38-40: HABITAT UTILITY	
SESSION CHAIR		MUNEYUKI AOKI, KEIGO NAKAMURA	ROOM: 153
TIME	NUMBER	TITLE	AUTHOR
11:00	S4-10-1	ON THE MODEL ANALYSIS OF RIVER TEMPERATURES IN AN URBAN RIVER AND THEIR RELATIONSHIP WITH UPSTREAM MIGRATION OF SWEETFISH	JUNICHI NISHIMATA
11:15	S4-10-2	POPULATION EFFECTS ON COLOR ILLUMINATION PREFERENCE OF SCIZOTHORAX DAVIDI(SAUVAGE, 1880) IN DADUHE RIVER IN SOUTHWEST CHINA	WEI WEI LI
11:30	S4-10-3	FENGMAN RESERVOIR ECOLOGICAL OPERATION BASED ON FISH DIVERSITY	YONG PENG
11:45	S4-10-4	COASTAL HYPOXIA AND RISE IN SALINITY: THREAT TO FISHERY RESOURCES IN A RAMSAR SITE IN SOUTH WEST COAST OF INDIA	VISHNU SAGAR M K

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SESSION NAME SS42: UNDERSTANDING THE CHANGE OF MACROINVERTEBRATE AND PERIPHYTON COMMUNITIES			
SESSION CHAIR		MICHIO SANJO, MORIHIRO HARADA	ROOM: 154
TIME	NUMBER	TITLE	AUTHOR
11:00	S5-10-1	ECOLOGICAL SIGNIFICANCE OF SUSPENDED LOAD BASED ON MACROINVERTEBRATE COMMUNITIES TRAITS	WEI LIU
11:15	S5-10-2	DEVELOPMENT OF A NUMERICAL SIMULATION MODEL IN AN ARMORED CHANNEL WITH GRAVEL DOWNSTREAM OF A DAM	YUTA MIZOGUCHI
11:30	S5-10-3	CHANGE IN FLOW STRUCTURES INSIDE AN ARMOR LAYER BY THE LAYER THICKNESS AND THE EXISTENCE OF PERIPHYTON MAT	NORIO TANAKA
11:45	S5-10-4	INVESTIGATION OF LOGARITHMIC VELOCITY DISTRIBUTION APPLICABILITY FOR AREA NEAR THE BED OF GRAVEL-BED STREAMS IN SHALLOW FLOW CONDITIONS	RAHMA YANDA
12:00	S5-10-5	DEVELOPMENT OF THE NUMERICAL SIMULATION MODEL AIMING AT DIRECT HABITAT EVALUATION OF MORIHIRO HARADA RIVERBEDS OF GRAVEL-BED RIVERS	
12:15	S5-10-6	DRAG FORCES ACTING EMERGENT CIRCULAR CYLINDERS FOR NON-UNIFORM FLOWS	TOSHIKI ATO
12:30	S5-10-7	TURBULENT STRUCTURE IN OPEN CHANNEL FLOW WITH SKEWED STRIP ROUGHNESS	ROBERT LADO WURDA NYARSUK

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SESSION NAME			
SS11: INNOVATIVE MONITORING TECHNIQUES FOR ECOHYDRAULIC RESEARCH			
SESSION CHAIR		ROOM: 141	
ELLIS PENNING			
TIME	NUMBER	TITLE	AUTHOR
11:00	S6-10-1	USING HYPERSPECTRAL CAMERAS ON UAVS FOR SPATIAL MAPPING OF VEGETATED WATER-WAYS FOR INTEGRATED WATER MANAGEMENT STRATEGIES	ELLIS PENNING
11:15	S6-10-2	MAPPING AND CHANGE DETECTION OF FLOODPLAIN VEGETATION BY REMOTE SENSING (SENTINEL-2 IN GOOGLE EARTH ENGINE) FOR WATER MANAGEMENT ON RIVER DELTA SCALE	GERTJAN GEERLING
11:30	S6-10-3	CONTINUOUS SPATIAL AND TEMPORAL MONITORING OF CHANGES IN STREAMBED ELEVATIONS	DANIELE TONINA
11:45	S6-10-4	HIGH AND EXTREME WATER DISCHARGER INFLUENCES ON BEDLOAD TRANSPORT IN A TROPICAL MOUNTAIN HEADWATER CATCHMENT	DIANA DIAZ

SESSION NAME			
SS11: INNOVATIVE MONITORING TECHNIQUES FOR ECOHYDRAULIC RESEARCH			
SESSION CHAIR		ROOM: 141	
ELLIS PENNING			
TIME	NUMBER	TITLE	AUTHOR
12:00	S6-11-1	A FIELD TEST OF THE LASER-POSITIONING PARTICLE IMAGE VELOCIMETRY FOR MEASURING SURFACE FLOW VELOCITIES IN AN AQUATIC HABITAT	WEN-YI CHANG
14:00	S6-11-2	THE RIVER EXPERIMENT CENTER ANDONG FOR LARGE-SCALE OUTDOOR HYDRAULIC TEST FACILITY	HYUNG SUK KIM
14:15	S6-11-3	MOVEMENT OF ENVIRONMENTAL DNA (EDNA) IN STATIC WATER ENVIRONMENTS	JIAN-PING SUEN
14:30	S6-11-4	AN EFFICIENCY ANALYSIS OF THE LOW-HEAD GATE DAM FISHWAY	YAN YAN ZHANG

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SESSION NAME			
SS37: MANAGEMENT STRATEGIES OF CYANOBACTERIAL BLOOMS AND SECONDARY METABOLITES IN LAKES AND RESERVOIRS			
SESSION CHAIR		ROOM: 142	
H. DAMITHA LAKMALI ABEYNAYAKA			
TIME	NUMBER	TITLE	AUTHOR
11:00	S7-10-1	SIMULATED STUDY ON THE EFFECTS OF DIFFERENT TROPHIC WATER DIVERSION ON THE WATER QUALITY AND PHYTOPLANKTON COMMUNITY IN GONGHU BAY	QIAN QIAN YANG
11:30	S7-10-2	RESEARCH AND DEVELOPMENT OF CYANOBACTERIAL BLOOM PREDICTION TECHNOLOGY FOR DAM RESERVOIRS	FUMINORI KIMURA
11:45	S7-10-3	DRIFT PATTERN RESPONSES OF GAMMARUS SP. TO FLOW FLUCTUATIONS IN A MOUNTAIN STREAM OF NORTHERN CHINA	JIAQI WEN

SESSION NAME			
SS34: WASTEWATER TREATMENT TECHNIQUES BY UTILIZING SITE-SPECIFIC AND LOW-COST MATERIALS			
SESSION CHAIR		ROOM: 142	
KEN KAWAMOTO, TRAN THI VIET NGA, NGUYEN HOANG GIANG			
TIME	NUMBER	TITLE	AUTHOR
14:00	S7-11-1	RECYCLE CONCRETE FINES AS LOW COST ADSORBENTS TO REMOVE HEAVY METALS FROM WASTEWATER	PRADEEP KUMARA GAJANAYAKE MUDALIGE
14:15	S7-11-2	ADSORPTION OF CHROMIUM ONTO SIEVED GRAINS OF AUTOCLAVED LIGHTWEIGHT AERATED CONCRETE	YUUKI YOSHIDA
14:30	S7-11-3	CHARACTERISTICS OF CADMIUM ADSORPTION ONTO GRANULATED CLAY BRICK AND LATERITE	HAI T.D.M
14:45	S7-11-4	REUSE OF WASTE MATERIALS FOR DOMESTIC WASTEWATER TREATMENT: A CASE STUDY IN VIETNAM	VIET-ANH NGUYEN
15:00	S7-11-5	EVALUATION OF THE EFFECTS OF LOCAL ACTIVATED CHARCOAL ON THE ADSORPTION OF REACTIVE BLUE 19 (RB19) REACTIVE DYE	NGUYEN T LIEN
15:15	S7-11-6	EVALUATION OF APPLICABILITY OF LOW COST ADSORBENTS AS PERMEABLE REACTIVE BARRIER (PRB) FILLING MATERIALS: A COLUMN STUDY	UDAYAGEE KUMARSINGHE

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SESSION NAME SS21: CLARIFICATION OF BIOTIC PRODUCTION MECHANISM AND APPLICATION FOR RIVER ECOSYSTEM MANAGEMENT			
SESSION CHAIR		MASATOSHI DENDA	ROOM: 143
TIME	NUMBER	TITLE	AUTHOR
11:00	S8-10-1	SEASONAL TRENDS OF DENSITY, BIOMASS, AND PRODUCTION OF ANTOCHA SP. (DIPTERA: TIPULIDAE) IN RELATION TO THE SUMMER FLOODS IN THE MIDDLE REACHES OF THE SHINANO RIVER	KIMIO HIRABAYASHI
11:15	S8-10-2	EFFECT OF AQUATIC VEGETATION ON GAS TRANSFER VELOCITY IN OPEN-CHANNEL FLOWS	TAKAAKI OKAMOTO
11:30	S8-10-3	COMPARISON OF PRIMARY AND SECONDARY PRODUCTIVITIES IN THE 1950S AND 2010S USING A COMPARTMENT MODEL	MASATOSHI DENDA
11:45	S8-10-4	THE DIFFERENTIATION OF FUNCTION BETWEEN POOL AND RIFFLE AS HABITAT FOR WATERFOWL	SATOE KASAHARA
12:00	S8-10-5	SPATIAL DISTRIBUTION OF INVASIVE SMALLMOUTH BASS AND NATIVE CYPRINIDS IN THE MIDDLE REACH OF CHIKUMA RIVER, CENTRAL JAPAN	SATOSHI KITANO
12:15	S8-10-6	STUDY ON GROWTH PROCESS OF BIOMASS ALONG BIOFILM FORMATION IN SHORT TERM	TAKAYUKI TANAKA

SESSION NAME SS46: APPLICATION OF ECOHYDRAULICS TO MAKE RIVER MANAGEMENT COMPATIBLE WITH ECOSYSTEM			
SESSION CHAIR		KUNIHICO AMANO, TETSUYA OISHI	ROOM: 143
TIME	NUMBER	TITLE	AUTHOR
14:00	S8-11-1	CURRENT STATE OF ENVIRONMENTAL FLOW STUDIES OF THE WORLD : FOR BETTER MAINTENANCE FLOW APPLICATION IN JAPAN	YUI SHINOZAKI
14:15	S8-11-2	ECOHYDRAULIC CHARACTERIZATION OF AQUATIC VEGETATION SPECIES TO SUPPORT RIVER FLOW MANAGEMENT TARGETING THE INHIBITION OF ALIEN SPECIES INVASION	RUI PEDRO RIVAES
14:30	S8-11-3	EFFECTS OF INVADING FLOODPLAIN VAGITATION ON BED MORPHODYNAMICS IN A BRAIDED CHANNEL	TOMOKO KYUKA
14:45	S8-11-4	VEGETATION VARIETY DEPENDIN THE GEOMORPHOLOGICAL CHANGE CAUSED BY RIVER WORKS IN INTER-LEVEE FLOODPLAINS	TETSUYA OISHI
15:00	S8-11-5	STUDY ON THE FORMATION OF OPENWORK GRAVEL LAYERS AND ITS FILLING-UP MECHANISM WITH MATRICES	MASAKI FUKUSHIMA