

SYMPOSIUM PROGRAMME

Tuesday 5.9.2017.

18.00 Ice-breaker party and registration of delegates

Wednesday 6.9.2017.

9.00 Registration of delegates

10.00 **OPENING CEREMONY**

10.30 **PLENARY SESSION** Chairmen: Damir Bekić, Michał Szydlowski, Andrej Šoltész, Petr Lichtneger, Josif Josifovski, Jaromír Říha

HYDRAULIC MODELLING OF DEMAND GROWTH IN TOURIST ISLANDS, CASE STUDY: GALÁPAGOS, ECUADOR
(NEMANJA TRIFUNOVIC)

OPTIMIZATION OF THE FLOOD RETENTION CAPACITY OF THE LAKE MONDSEE IN AUSTRIA
(HUBERT HOLZMANN)

THE ROLE OF NUMERICAL MODELS IN ENVIRONMENTAL STUDIES
(GORDANA BEG PAKLAR)

12.15 Lunch

13.30 **SESSION 1A: EU PROJECTS, SOCIETIES AND INDUSTRY; CLIMATE CHANGE IMPACTS AND POLICIES** Chairmen: Jaromír Říha, Silvia Kohnova

PREPARATION OF EU FINANCED WASTEWATER COLLECTION AND TREATMENT PROJECTS IN CROATIA WITH REGARD TO DIFFICULTIES IN PROJECT APPLICATION (TADIĆ Z., BARAČ, TADIĆ I.)

BRIDGE SMS PROJECT – THE CORK COUNTY COUNCIL EXPERIENCE (LAPHORNE, O'RIORDAN, O'SULLIVAN, RYAN, LARKIN)

LONG TERM PREDICTION OF INFLOW USING THE SUPERVISED LEARNING (BERBIĆ, OCVRK)

REMOTE SURVEYING OF FLOOD PROTECTION EMBANKMENTS (CAR, GAJSKI, KOVAČEVIĆ)

FLOOD RISK SLOVENIA-CROATIA OPERATIONS - STRATEGIC PROJECT 1 - NONSTRUCTURAL MEASURES (FRISCO1) (BABIC, FILIPAN)

APPLICATION OF PHOTOGRAMMETRY FOR HYDRAULIC MODELING OF "SUHA" RIVER IN THE AREA OF ILLEGAL URBANISATION IN MUNICIPALITY OF Kladanj, BOSNIA AND HERZEGOVINA (KOVČIĆ, ŽIGIĆ, HOGIĆ, HODŽIĆ, TOKIĆ)

SESSION 1B: CATCHMENT AND RIVER SYSTEMS; HYDRAULIC STRUCTURES Chairmen: Lidija Tadić, Tomáš Julínek

FLOODS: NEW CONCEPTS EMERGE - OLD PROBLEMS REMAIN (BONACCI)

FLOOD MODELING OF WETLAND RESTORATION IN EZERANI NATURE PARK, PRESPA LAKE WATERSHED (POPOVSKA, PANOVIĆ, SEKOVSKI)

COMPARISON OF EROSION MODELLING AND BATHYMETRY MEASUREMENT OF SEDIMENT TRANSPORT ON THE SVACENICKY CREEK BASIN IN SLOVAKIA (KOHNOVÁ, HLAVČOVÁ, VELÍSKOVÁ, SOČUVKA, STUDVOVÁ)

TIME SERIES FORECASTING OF PARAMETERS IN HYDRAULIC ENGINEERING USING ARTIFICIAL NEURAL NETWORKS (HALKJEVIĆ, GILJA, KUSPILIĆ M.)

LOSS OF RESERVOIR STORAGE VOLUME BY SEDIMENT DEPOSITION (SOČUVKA, DUŠEK, VELÍSKOVÁ)

METHODOLOGY FOR DEVELOPMENT OF THE HYDROLOGICAL MODEL IN SMALL CATCHMENT (SUŠANJ, OŽANIĆ, KARLEUŠA)

15.00 Coffee break

15.30 **SESSION 2A: WATER SUPPLY AND WASTEWATER SYSTEMS** Chairmen: Štefan Stanko, Danka Barloková

ISLAND OF CRES WATER RESOURCES CARRYING CAPACITY ASSESSMENT (KUSPILIĆ M., VUKOVIĆ, HALKJEVIĆ)

REMOVAL OF IRON AND MANGANESE FROM GROUND WATER WITH MODIFIED ZEOLITES (BARLOKOVÁ, ILAVSKÝ)

AVERAGE PRESSURE IN A WATER SUPPLY SYSTEM (HALKJEVIĆ, VOJK, POSAVČIĆ)

NUMERICAL MODELLING OF GROUNDWATER EXTRACTION SYSTEM (SHENGA, BAROKOVÁ, ŠOLTÉSZ)

HYDRAULIC MODELLING FOR WATER LOSS ANALYSIS AND OPTIMIZATION OF WATER SUPPLY SYSTEMS (DUNDOVIĆ, TADIĆ Z.)

DETERMINATION OF THE DURATION OF DESIGN STORM FOR MODELING RUNOFF FROM URBAN CATCHMENT (MAZURKIEWICZ, SOWIŃSKI)

SESSION 2B: CATCHMENT AND RIVER SYSTEMS Chairmen: Goran Lončar, Petr Lichtneger

COMPARISON OF DIFFERENT COMPUTATIONAL METHODS FOR FLOOD MITIGATION (JANIĆ, ŠOLTÉSZ)

FLOOD MODEL AT RACINOVCI AND RALEVO SELO USING THE 2D MODEL IN HEC-RAS (KOLAKOVIĆ SL., JEFTENIĆ, STIPIĆ, KOLAKOVIĆ SR., BUDINSKI)

JOINT PROBABILITY ANALYSIS OF FLOOD HAZARD ON RIVER CONFLUENCES USING BIVARIATE COPULAS (GILJA, KUSPILIĆ N., OCVRK)

APPLICATION OF REMOTE SENSING FOR MONITORING DEGFULL PAPERATION OF WETLAND URBAN LAKES – URBAN LAKE JARUN CASE STUDY (KUNŠTEK, BERBIĆ, DŽAPO, KORDIĆ, BABIĆ)

INVESTIGATION OF FLOW PATTERN AT SCOURED ABUTMENT IN NON-UNIFORM GRAVEL BED (GILJA, VALYRAKIS, MICHALIS, BEKIĆ, KUSPILIĆ N., MCKEOGH)

MULTISCALE ANALYSIS OF RIVERBED TOPOGRAPHY (KRISTINA POTOČKI, GORDON GILJA, ANA SOVIĆ KRŽIĆ, KUSPILIĆ N.)

19.00 **GALA DINNER**



Thursday 7.9.2017.

8.30

SESSION 3A: CATCHMENT AND RIVER SYSTEMS; CLIMATE CHANGE IMPACTS AND POLICIES

Chairmen: Ognjen Bonacci, Lea Čubanova

SOCIAL AND ECONOMIC FLOOD DAMAGES ASSESSMENT IN MEDZEV (ZELEŇÁKOVÁ, GAŇOVÁ, PURCZ)

FLOOD MANAGEMENT IN URBAN BASINS OF THE CITY OF GDAŇSK (KOLERSKI, SZAWURSKA)

VARIATIONS OF ROUGHNESS COEFFICIENT VALUE DUE TO AQUATIC VEGETATION (VELJŠKOVÁ, SOKÁČ, SCHÜGERL, DUĽOVIČOVÁ)

RESILIENT DAM INFRASTRUCTURE: PREPARING FOR CLIMATE CHANGE IMPACTS (MICHALIS, PYTHAROLLI)

REDUCING RISK OF EUTROPHICATION IN THE CASE OF SUTLA RIVER BASIN (ČOŠIĆ FLAJSIG, KARLEUŠA, VUČKOVIĆ, GLAVAN)

EXTRAORDINARY RAINFALLS IN GDANSK (NORTHERN POLAND) IN THE XXI. CENTURY (SZPAKOWSKI, SZYDLÓWSKI)

10.00

Coffee break

10.30

SESSION 4A: CATCHMENT AND RIVER SYSTEMS

Chairmen: Michal Szydlowski, Gordon Gilja

ANALYSIS OF ICE REGIMES ON THE DANUBE IN DALJ IN 2012. AND 2017. (ŠPERAC, SLUNJSKI)

ASSESSMENT OF THE IMPACT OF PROPOSED CUT-OFF WALLS ON GROUNDWATER LEVEL REGIME DURING EXTREME HYDROLOGICAL CONDITIONS (BAROKOVÁ, ČERVEŇANSKÁ, ŠOLTÉSZ)

GROUNDWATER REGIME IN THE CITY OF KYJOV AFTER TERMINATING PUMPING FROM THE LOCAL MINES (OULINEK, ŘÍHA)

GROUNDWATER VULNERABILITY ASSESSMENT IN PRESPA REGION (KAČEKSI)

HYDRAULIC-HYDROLOGY SYNTHESIS OF GOLUBINKA SPRING DISCHARGE HYDROGRAPH (LONČAR, ŠRENG, IVEZIĆ)

EVALUATION OF GROUNDWATER CONTAMINATION IN THE AREA OF FORMER MILITARY AIRPORT (PETRULA, ŘÍHA, JULÍNEK)

12.15

Lunch

13.30

SESSION 5A: HYDRAULIC STRUCTURES

Chairmen: Hubert Holzmann, Nevenka Ožanić

ANALYSIS OF UNCERTAINTIES IN BRIDGE SCOUR ESTIMATION (GILJA, KERIN, MICHALIS, BEKIĆ, PAKRASHI, MCKEOGH)

PERFORMANCE TESTS AND EVALUATION OF A HYDRO POWER PLANT WITH A DOUBLE ROTATING HYDROPOWER SCREW (LICHTNEGER, ZEIRINGER, SINDELAR, HABERSACK, LECHNER, MAYER, STRUSKA, ALBRECHT)

MORPHODYNAMIC IMPACT OF SCOUR COUNTERMEASURES ON RIVERBED DEVELOPMENT (GILJA, KUSPLIĆ N., TEČIĆ)

POOL FISHWAY HYDRAULIC ANALYSIS (OCVIRK, GILJA, BUJAK)

LAB TESTING OF FLOW VELOCITY PATTERN AROUND BRIDGE ABUTMENTS (BEKIĆ, BAŠIĆ, GUDELJ, LONČAR)

FISH PASS UNDER THE RECONSTRUCTION (ČUBANOVA, DUŠIČKA P)

BRIDGE MANAGEMENT STRATEGIES: CURRENT AND FUTURE TRENDS (CAHILL, MICHALIS, GILJA, BEKIĆ, PAKRASHI, MCKEOGH)

15.15

Coffee break

15.45

Poster session

THE EVALUATION OF MEASURED AND SIMULATED DATA OF AIR TEMPERATURE AND PRECIPITATION TOTAL (VITKOVA, SURDA, DANACOVA)
HYDROLOGICAL AND HYDRAULIC ANALYSIS OF RIVER CROSSINGS (BOGATINOSKA)

ANALYSIS OF THE SEDIMENT FROM SMALL WINTER PORT ON THE DRAVA RIVER (DADIĆ, TADIĆ L., BARIŠIĆ)
INVERSE TASK IN WATER QUALITY MODELLING (SOKÁČ, VELJŠKOVÁ)
REGIONAL TO LOCAL MODFLOW SIMULATION OF HOMOGENEOUS AND HETEROGENEOUS AQUIFER (DUŠEK, VELJŠKOVÁ, SOČUVKA)

MULTILINEAR MUSKINGUM METHOD FOR THE SIMULATION OF FLOOD WAVE MOVEMENT ON THE DANUBE RIVER IN SLOVAKIA (DANÁČOVÁ M, SZOLGAY, DANÁČOVÁ Z)
CONSIDERING THE EFFECTS OF HUMAN ACTIVITIES IN FLOOD HAZARD ASSESSMENT (RAK, STEINMAN)
ANALYSIS OF WATER QUALITY OF THE KARAŠIČA-VUČICA RIVER (AMIĆ, TADIĆ L.)
REMOVAL OF ARSENIC FROM WATER (ILAVSKÝ, BARLOKOVÁ, KAPUSTA, ŠIMKO)

STORMWATER MANAGEMENT IN THE URBAN ENVIRONMENT (ŠPERAC, OBOVIĆ)
COMPUTER ANALYSIS OF HYDRAULIC CONDITIONS IN A SANITARY CHAMBER (ZIMA)
EFFECT OF VERTICAL SHAPES OF SHAFT INTAKE STRUCTURES ON FLOW VELOCITY DISTRIBUTION (DUŠIČKA M., RUMANN, DUŠIČKA P)
EXPERIMENTAL RESEARCH ON FLOW CONDITIONS AT SELF-CLEANING RACKS (TVRDOŇ, RUMANN, DUŠIČKA P)
HYBRID MODELLING OF OVERFLOWING BROAD-CRATED WEIR-PHYSICAL AND NUMERICAL COMPARISON (ORFÁNUS, RUMANN, DUŠIČKA M., KINCZER)

16.30

CLOSING CEREMONY

18.30

City tour - TROGIR

Friday 8.9.2017.

8.30

Technical tour - PERUČA Hydropower plant

14.00

Lunch

17.00

City tour - SPLIT

