

# Conference Program

Venue: MINOA PALACE HOTEL, Platanias, Chania, Crete



## REGISTRATION DESK IS OPEN:

Wednesday, June 1<sup>st</sup>: 18:00 – 20:00  
 Thursday, June 2<sup>nd</sup>: 08:30 – 14:30 & 16:00 – 20:00  
 Friday, June 3<sup>rd</sup>: 09:00 – 14:00 & 15:00 – 17:30  
 Saturday, June 4<sup>th</sup>: 09:00 – 13:30 & 14:30 – 15:00

**“Efficient & Sustainable Water Systems  
 Management toward Worth Living  
 Development”**

## WEDNESDAY, JUNE 1<sup>ST</sup>, 2016

18:00-20:00 **Registration**  
 18:00-20:00 **EWaS2 Conference Opening Session –ROOM A**  
**Chairpersons:** G. Karatzas, V. Kanakoudis, E. Keramaris, Th. Karakasidis  
 20:00-22:30 **Welcome Reception (Minoa Palace Hotel)**

## THURSDAY, JUNE 2<sup>ND</sup>, 2016

08:45-09:00 **Opening and Welcome Speeches -ROOM A**  
 09:00-09:45 **Invited Speech -ROOM A**  
**PROACTIVE PLANNING AGAINST DROUGHTS**  
Prof. George Tsakiris  
 09:45-09:50 **Olympios Trading SA-Presentation -ROOM A**  
 D. Foufeas

### ROOM A

10:00-12:00 **SESSION A1 - TOPIC: RIVERINE SYSTEMS**  
**Chairpersons:** V. Hrissanthou A. Vassiljev  
 10:00-10:15 ID 035 **ESTIMATE OF CONTINUOUS HYDROGRAPHS AND SEDIMENT  
 GRAPHS IN NESTOS RIVER BASIN**  
K. Kaffas, V. Hrissanthou  
 10:15-10:30 ID 044 **COMPARISON BETWEEN COMPUTATIONS AND  
 MEASUREMENTS OF BED LOAD TRANSPORT RATE IN NESTOS  
 RIVER, GREECE**  
Th. Papalaskaris, P. Dimitriadou, V. Hrissanthou

### ROOM B

**SESSION B1 - TOPIC: URBAN WATER MANAGEMENT I**  
**Chairpersons:** A. Bobat, K. Gonelas  
 ID 020 **REASONS AND RESULTS OF WATER SHORTAGE IN TURKEY: A CASE  
 STUDY OF KOCAELI**  
A. Bobat  
 ID 037 **KARST SPRING OVEREXPLOITATION POSSIBILITY – CASE STUDY OF THE  
 KRUPAC SPRING**  
M. Dimkić, A. Soro, D. Dimkić, D. Pavlović, G. Jevtić, D. Svrkota

10:30-10:45	ID 105	<b>HYDRAULIC AND SEDIMENT TRANSPORT SIMULATION OF KOILIARIS RIVER BY USING THE MIKE 21C MODEL</b> <u>G. Morianou</u> , N. Kourgialas, G. Karatzas, N. Nikolaidis	ID 045	<b>PRELIMINARY ASSESSMENT OF THE TECHNICAL CONDITION OF WATER SUPPLY INFRASTRUCTURES</b> <u>L. Tuhovcak</u> , T. Kucera, T. Suchacek
10:45-11:00	ID 056	<b>APPROACH FOR THE OPTIMAL DESIGN OF WATER QUALITY MONITORING NETWORKS IN TROPICAL ANDEAN BASINS</b> J.C. Bastidas, <u>J. J. Velez</u> , J. Zambrano	ID 053	<b>MIXED INTEGER LINEAR PROGRAMMING (MILP) APPROACH TO DEAL WITH SPATIO-TEMPORAL WATER ALLOCATION</b> <u>J. Veintimilla-Reyes</u> , D. Cattrysse, A. De Meyer, J. Van Orshoven
11:00-11:15	ID 046	<b>INVESTIGATION OF POSSIBLE NUTRIENT SOURCES IN ESTONIAN RIVERS</b> <u>A. Vassiljev</u> , G. Margus, I. Annus, P. Stålnacke	ID 113	<b>PRESSURE MANAGEMENT AND ENERGY RECOVERY CAPABILITIES USING PATs</b> <u>M. Patelis</u> , V. Kanakoudis, K. Gonelas
11:15-11:30	ID 013	<b>ASSESSMENT OF CLIMATE CHANGE IMPACT ON RUNOFF IN PINIOS RIVER BASIN, GREECE</b> A. Panagopoulos, G. Arampatzis, F. Herrmann, R. Kunkel, V. Pinaras, E. Tziritis, <u>F. Wendland</u>	ID 095	<b>RAIN GARDENS AS INTEGRAL PARTS OF URBAN SEWAGE SYSTEMS-A CASE STUDY IN THESSALONIKI, GREECE</b> <u>A. Basdeki</u> , L. Katsifarakis, K. Katsifarakis
11:30-11:55	DISCUSSION		DISCUSSION	
11:55-12:00	<b>Marathon Data Systems (MDS) – Presentation – ROOM A</b> Ioannis Kontos			
<b>12:00-12:30 COFFEE BREAK</b>				
<b>ROOM A</b>			<b>ROOM B</b>	
<b>12:30-14:15</b>	<b>SESSION A2 - TOPIC: ADVANCED METHODS FOR ENVIRONMENTAL SYSTEM ANALYSIS</b> <b>Chairpersons:</b> Th. Karakasidis T. Albanis		<b>SESSION B2 -TOPIC: URBAN WATER MANAGEMENT II</b> <b>Chairpersons:</b> N. Theodossiou, I. E. Karadirek	
12:30-12:45	ID 074	<b>IMPACT OF ENVIRONMENT GIS MODELING ON SUSTAINABLE WATER SYSTEMS MANAGEMENT</b> <u>S. Stevovic</u> , Z. Nestorovic	ID 114	<b>FORMING DISTRICT METERED AREAS IN A WATER DISTRIBUTION NETWORK USING GENETIC ALGORITHMS</b> P. Korkana, V. Kanakoudis, <u>M. Patelis</u> , K. Gonelas
12:45-13:00	ID 132	<b>DETERMINATION OF PESTICIDES IN SURFACE WATERS BY UHPLC-HIGH RESOLUTION &amp; HIGH MASS ACCURACY HYBRID LINEAR ION- TRAP- ORBITRAP MASS SPECTROMETRY</b> Ch. Nannou, V. Boti, G. Patakioutas, G. Karras, <u>T. Albanis</u>	ID 122	<b>SYSTEMS &amp; METHODS OF OPTIMAL MANAGEMENT AND ENERGY SAVING AT WATER SUPPLY &amp; IRRIGATION INFRASTRUCTURE OF THE O.A.K. S.A.</b> <u>E. Vardoulakis</u> , T. Nikolaou, P. Piperidis, L. Kopasis, G. Bazdanis
13:00-13:15	ID 051	<b>APPLICATION OF ADAPTIVE TIME DELAY MODEL IN OPTIMAL CONTROL OF A HYDROPOWER CASCADE</b> <u>L. Duc Nguyen</u> , D. Karimanzira, Th. Rauschenbach	ID 117	<b>DEVELOPING AN OPTIMIZATION ALGORITHM TO FORM DISTRICT METERED AREAS IN A WATER DISTRIBUTION SYSTEM</b> P. Korkana, V. Kanakoudis, M. Patelis, A. Makrysopoulos, <u>K. Gonelas</u>
13:15-13:30	ID 040	<b>STOCHASTIC GENERATION OF DAILY RAINFALL, IN KAVALA CITY STATION, NORTH-EASTERN GREECE</b> <u>T. Papalaskaris</u> , T. Panagiotidis, S. Papadopoulos, A. Pantrakis	ID 115	<b>HYDRAULIC MODELLING OF A WATER DISTRIBUTION NETWORK IN A TOURISM AREA WITH HIGHLY VARYING CHARACTERISTICS</b> S. Kara, <u>I. E. Karadirek</u> , A. Muhammetoglu, H. Muhammetoglu
13:30-13:45	ID 039	<b>ARTIFICIAL NEURAL NETWORKS APPLIED TO FLOW PREDICTION: A USE CASE FOR THE TOMBAMBA RIVER</b> <u>J. Veintimilla - Reyes</u> , F. Cisneros, P. Vanegas	ID 123	<b>INTRODUCING NOVEL OPTIMIZATION TECHNIQUES IN IRRIGATION PIPE NETWORK APPLICATIONS</b> <u>N. Theodossiou</u> , D. Karatsanis, E. Fotopoulou

13:45-14:15	DISCUSSION	DISCUSSION
14:15-16:15	<b>LUNCH (Minoa Palace Hotel)</b>	
	<b>ROOM A</b>	<b>ROOM B</b>
16:15-18:00	<b>SESSION A3 - TOPIC: GROUNDWATER AND IRRIGATION SYSTEMS I</b> <b>Chairpersons:</b> Z. Dokou, H. Vangelis	<b>SESSION B3 -TOPIC: URBAN WATER MANAGEMENT III</b> <b>Chairpersons:</b> P. Domadenik, I. Karathanasi
16:15-16:30	ID 126 <b>GROUNDWATER DETERIORATION: THE SIMULTANEOUS EFFECTS OF INTENSE AGRICULTURAL ACTIVITY AND HEAVY METALS IN SOIL</b> E. Remoundaki, E. Vasileiou, A. Philippou, M. Perraki, P. Kousi, A. Hatzikioseyan, G. Stamatis	ID 127 <b>DEVELOPMENT OF A LEAKAGE CONTROL SYSTEM AT THE WATER SUPPLY NETWORK OF THE CITY OF PATRAS</b> I. Karathanasi, C. Papageorgakopoulos
16:30-16:45	ID 094 <b>SIMULATION AND MANAGEMENT OF SALTWATER INTRUSION AT A COASTAL AQUIFER IN CRETE, GREECE</b> A. Pappa, Th. Olsthoorn, Z. Dokou, G. Karatzas	ID 144 <b>PRICING APPROACHES IN THE CASE OF CROSS BORDER WATER SUPPLY</b> P. Banovec and P. Domadenik
16:45-17:00	ID 141 <b>QUANTIFYING THE ONLINE BEHAVIOR TOWARDS ORGANIC MICROPOLLUTANTS OF THE EU WATCHLIST: THE CASES OF DICLOFENAC AND MACROLIDE ANTIBIOTICS</b> A. Mavragani, A. Sampri, K. Tsagarakis	ID 089 <b>WATER AND ENERGY SAVING IN URBAN WATER SYSTEMS: THE ALADIN PROJECT</b> V. Puleo, V. Notaro, G. Freni, G. La Loggia
17:00-17:15	ID 079 <b>DELINEATION OF WELLHEAD PROTECTION AREAS IN CRETE, GREECE USING AN ANALYTIC ELEMENT MODEL</b> A. Staboultzidis, Z. Dokou, G. Karatzas	ID 128 <b>DRAMA VS LOSSES &amp; LEAKS – A CASE STUDY</b> E. Bougoulia, N. Petroulias, D. Foufeas
17:15-17:30	ID 003 <b>SCENARIO MODELING OF CLIMATE CHANGE’S IMPACT ON SALINIZATION OF COASTAL WATER RESOURCES IN RECLAIMED LANDS</b> N. Colombani, M. Mastrocicco	ID 109 <b>DETERMINING A SOCIALLY FAIR DRINKING WATER PRICING POLICY: THE CASE OF KOZANI, GREECE</b> V. Kanakoudis, S. Tsitsifli, K. Gonelas, A. Papadopoulou, Ch. Kouziakis, S. Lappos
17:30-18:00	DISCUSSION	DISCUSSION
18:00-18:30	<b>COFFEE BREAK</b>	
	<b>ROOM A</b>	<b>ROOM B</b>
18:30-20:00	<b>SESSION A4 - TOPIC: GROUNDWATER AND IRRIGATION SYSTEMS II</b> <b>Chairpersons:</b> G. Tsakiris, E. Varouchakis	<b>SESSION B4 -TOPIC: HYDRAULICS</b> <b>Chairpersons:</b> G. Pechlivanidis, S. Stevovic
18:30-18:45	ID 112 <b>GEOSTATISTICAL ANALYSIS OF GROUNDWATER LEVEL USING NON-EUCLIDEAN DISTANCE METRICS</b> P. Theodoridou, E. Varouchakis, G. Karatzas	ID 030 <b>THE BEHAVIOR OF A TURBULENT BUOYANT JET INTO FLOWING ENVIRONMENT</b> E. Keramaris, G. Pechlivanidis
18:45-19:00	ID 131 <b>DETERMINATION OF PHARMACEUTICALS IN HOSPITAL AND MUNICIPAL WASTEWATERS IN GREECE BY USING LC-LTQ ORBITRAP MASS SPECTROMETRY</b> Ch. Kosma, D. Lambropoulou, T. Albanis	ID 083 <b>INVESTIGATION OF THE OPTIMUM CONNECTION OF A FISH POND WITH THE ADJACENT MAIN RIVERINE FLOW</b> G. Pechlivanidis, Y. Savvidis, E. Keramaris, Ch. Koutitas

19:00-19:15 ID 124 **GREENHOUSE SOIL MOISTURE DEFICIT UNDER SALINE IRRIGATION AND CLIMATE CHANGE**  
A. Apostolakis, K. Wagner, I. Daliakopoulos, N. Kourgialas, I. Tsanis

19:15-19:30 ID 067 **ALUMINA AS A SOURCE OF THE GROUNDWATER CHEMICAL CONTAMINATION IN THE CENTRAL SIBERIA (RUSSIA)**  
A. Ozerskiy

ID 019 **EXPERIMENTAL DETERMINATION OF HYDRAULIC CONDUCTIVITY AT UNSATURATED SOIL COLUMN**  
M. Sakellariou-Makrantonaki, A. Angelaki, Ch. Evangelides, V. Bota, E. Tsianou, N. Floros

ID 075 **IMPACT OF GRAVITY ON FLUID MECHANICS MODELS**  
S. Stevovic, Z. Nestorovic

19:30-20:00 DISCUSSION

DISCUSSION

**FRIDAY, JUNE 3<sup>RD</sup>, 2016**

**ROOM A**

**ROOM B**

**09:00-11:00 SESSION A5 - TOPIC: HYDROLOGY I**  
**Chairpersons:** N. Kourgialas, A. Panagopoulos

**SESSION B5 -TOPIC: HYDRAULIC MODELS**  
**Chairpersons:** P. Prinos, M. Spiliotis

09:00-09:15 ID 080 **INTRODUCING A MODIFIED RECONNAISSANCE DROUGHT INDEX (RDie) INCORPORATING EFFECTIVE PRECIPITATION**  
D. Tigkas, H. Vangelis, G. Tsakiris

ID 084 **DIMENSIONAL ANALYSIS OF BAR FORMATION IN SAND BED CHANNEL**  
D. A. Tholibon, J. Ariffin, J. Abdullah

09:15-09:30 ID 026 **A STUDY OF GROUNDWATER FLOW AND SALTWATER INTRUSION AT THE ALLUVIAL AQUIFER OF KATAPOLA AT THE ISLAND OF AMORGOS, GREECE**  
M. Siaka, Z. Dokou, G. Karatzas

ID 129 **ESTIMATING WATER LOSSES AND ASSESSING NETWORK MANAGEMENT INTERVENTION SCENARIOS: THE CASE STUDY OF THE WATER UTILITY OF THE CITY OF DRAMA IN GREECE**  
M. Farazaki, H. Marakas, M. Kostopoulou, D. Kitsiou, P. Gikas

09:30-09:45 ID 004 **ESTABLISHING A HYDROLOGIC OBSERVATORY TO SUPPORT THE DETERMINATION OF THE LONG-TERM AVAILABLE (GROUND-) WATER RESOURCES IN THESSALY BASIN (CENTRAL GREECE)**  
F. Wendland, F. Herrmann, A. Illias, A. Panagopoulos, V. Pisinaras

ID 145 **MICROSCOPIC NUMERICAL SIMULATION OF CONVECTIVE CURRENTS IN AQUATIC CANOPIES**  
M. Tsakiri, P. Prinos

09:45-10:00 ID 077 **IMPLEMENTING THE FLOODS DIRECTIVE 2007/60/EC IN GREECE. RIVER BASIN DISTRICTS OF PELOPONNESE AND CRETE**  
K. Nikolaou, Th. Radaios, V. Tsilimantos

ID 081 **UNCERTAINTY IN THE ANALYSIS OF WATER CONVEYANCE SYSTEMS**  
G. Tsakiris, M. Spiliotis

10:00-10:15 ID 069 **SUSTAINABLE AGRICULTURAL WATER MANAGEMENT IN PINIOS RIVER BASIN USING REMOTE SENSING AND HYDROLOGIC MODELING**  
A. Psomas, V. Dagalaki, Y. Panagopoulos, D. Konsta, M. Mimikou

ID 098 **GROUNDWATER OF ARTESIAN AQUIFERS AS ALTERNATIVE FOR WATER SUPPLY OF REMOTE SETTLEMENTS IN MUNICIPALITY OF ALEKSINAC (CENTRAL SERBIA)**  
A. Brančić, D. Neskovic


10:15-10:30 ID 064 **STOCHASTIC MONTHLY RAINFALL TIME SERIES ANALYSIS, MODELING AND FORECASTING IN KAVALA CITY, GREECE, NORTH-EASTERN MEDITERRANEAN BASIN**  
Th. Papalaskaris, T. Panagiotidis, A. Pantrakis

ID 015 **COMPUTATIONAL STUDY OF THE OPTIMUM GRADIENT MAGNETIC FIELD FOR THE NAVIGATION OF SPHERICAL PARTICLES IN THE PROCESS OF CLEANING THE WATER FROM HEAVY METALS**  
E. Karvelas, N. Lampropoulos, Th. Karakasidis, I. Sarris


10:30-11:00 DISCUSSION

DISCUSSION

**11:00-11:30 COFFEE BREAK**

ROOM A		ROOM B
11:30-14:00	<b>SPECIAL SESSION - SS-1: "Advanced and sustainable management of water distribution systems: leakages and energy" (Part I)</b> <b>Chairpersons:</b> M. Franchini, S. Meniconi	<b>PARALLEL WORKSHOP (in Greek)</b> DRINKADRIA
11:30-11:45	ID 049 <b>AN EXPANDED METHODOLOGY FOR IMPRINTING THE CONDITION OF AN URBAN WATER DISTRIBUTION NETWORK</b> <u>A. Agathokleous</u> , S. Christodoulou	
11:45-12:00	ID 050 <b>THE IMPACT OF INTERMITTENT WATER SUPPLY POLICIES ON URBAN WATER DISTRIBUTION NETWORKS</b> <u>A. Agathokleous</u> , S. Christodoulou	
12:00-12:15	ID 055 <b>WATER SUPPLY NETWORK PARTITIONING BASED ON SIMULTANEOUS COST AND ENERGY OPTIMIZATION</b> <u>A. Di Nardo</u> , M. Di Natale, C. Giudicianni, G.F. Santonastaso, V. Tzatchkov, J.M. Rodriguez Varela, V.H. Alcocer Yamanaka	
12:15-12:30	ID 090 <b>MANAGEMENT OF WATER DISTRIBUTION SYSTEMS IN EMERGENCY CONDITIONS WITH A NODAL DEMAND CONTROL BY A CALIBRATION APPROACH</b> <u>A. F. Morosini</u> , O. Caruso, P. Veltri, F. Costanzo	
12:30-12:45	ID 085 <b>A METHODOLOGY FOR PUMPING CONTROL BASED ON TIME VARIABLE TRIGGER LEVELS</b> <u>S. Alvisi</u> , M. Franchini	
12:45-13:00	ID 086 <b>RELIABILITY ANALYSIS OF RAINWATER HARVESTING SYSTEMS IN SOUTHERN ITALY</b> V. Notaro, L. Liuzzo, <u>G. Freni</u>	
13:00-14:00	DISCUSSION	

**14:00-15:00 Finger Food Lunch**

ROOM A		ROOM B
15:00-17:00	<b>SPECIAL SESSION - SS-1: "Advanced and sustainable management of water distribution systems: leakages and energy" (Part II)</b> <b>Chairpersons:</b> M. Franchini, S. Meniconi	<b>PARALLEL WORKSHOP (in Greek)</b> DRINKADRIA
15:00-15:15	ID 092 <b>A METHODOLOGY TO ESTIMATE LEAKAGES IN WATER DISTRIBUTION NETWORKS BASED ON INLET FLOW DATA ANALYSIS</b> G. Mazzolani, <u>L. Berardi</u> , D. Laucelli, R. Martino, A. Simone, O. Giustolisi	

15:15-15:30	ID 093	<b>COUPLED HYDRAULIC AND ELECTRONIC REGULATION FOR BANKI TURBINES</b> V. Sammartano, F. Filianoti, M. Sinagra, <u>T. Tucciarelli</u> , G. Scelba, M. Gabriele
15:30-15:45	ID 099	<b>AN INTEGRATED MODELING APPROACH TO OPTIMIZE THE MANAGEMENT OF A WATER DISTRIBUTION SYSTEM: IMPROVING THE SUSTAINABILITY WHILE DEALING WITH WATER LOSS, ENERGY CONSUMPTION AND ENVIRONMENTAL IMPACTS</b> <u>M. D'Ercole</u> , M. Righetti, R. M. Ugarelli, L. Berardi, P. Bertola
15:45-16:00	ID 103	<b>PRESSURE REDUCING VALVE CHARACTERIZATION FOR PIPE SYSTEM MANAGEMENT</b> <u>S. Meniconi</u> , B. Brunone, E. Mazzetti, D. B. Laucelli, G. Borta
16:00-16:15	ID 110	<b>AN APPLICATION OF THE HARMONY-SEARCH MULTI-OBJECTIVE (HSMO) OPTIMIZATION ALGORITHM FOR THE SOLUTION OF PUMP SCHEDULING PROBLEM</b> <u>F. De Paola</u> , N. Fontana, M. Giugni, G. Marini, F. Pugliese
16:15-16:30	ID 091	<b>OPTIMAL DESIGN OF DISTRICT METERING AREAS</b> <u>D. B. Laucelli</u> , A. Simone, L. Berardi, O. Giustolisi



16:30-17:30

DISCUSSION

DISCUSSION

**FRIDAY AFTERNOON FREE TIME**

**21:00- to Midnight + Conference Gala Dinner**

# SATURDAY, JUNE 4<sup>TH</sup>, 2016

**09:00-09:45** Invited Speech -ROOM A  
**ENHANCED WDN HYDRAULIC MODELLING AND DETECTION OF BURST LEAKAGES**  
 Prof. Orazio Giustolisi

## ROOM A

**10:00-12:00** **SESSION A8 - RAW AND WASTEWATER TREATMENT - WASTE MANAGEMENT**

**Chairpersons:** E. Remoundaki, G. Koubouris

10:00-10:15

10:15-10:30 ID 016 **APPLICATION OF VERMICULITE AND ZEOLITE IN WATER REMEDIATION USING A PERMEABLE BARRIER**

B. Silva, E. Tuuguu, F. Costa, T. Tavares

10:30-10:45 ID 032 **BIOREMEDIATION OF ACID BLACK 52 DYE (MULTI-METAL COMPLEX DYE) USING ASPERGILLUS FLAVUS IN BATCH BIOREACTOR**

A. Ghosh, M. G. Dastidar, T.R. Sreekrishnan

10:45-11:00 ID 033 **ADSORPTIVE REMOVAL OF DYE FROM AQUEOUS SOLUTION ONTO BIOCHAR DERIVED FROM ALGAE RESIDUE AFTER BIODIESEL PRODUCTION**

P. Nautiyal, K.A. Subramanian, M. G. Dastidar

11:00-11:15 ID 125 **EVALUATION OF AN ESMBR SYSTEM EFFICIENCY TO MEET THE WASTEWATER REUSE LEGISLATION LIMITS**

Ch. Vardalachakis, K. Azis, S. Ntougias, P. Melidis

11:15-11:30 ID 078 **OPTIMIZING ETHANOL ENHANCED NAPL REMEDIATION USING EVOLUTIONARY ALGORITHMS**

Z. Dokou, G. Karatzas, D. A. Sarikurt, N. Copty

11:30-12:00

DISCUSSION

**12:00-12:30** **COFFEE BREAK**

## ROOM B

**SESSION B8 -TOPIC: HYDROLOGY II**

**Chairpersons:** S. Tsitsifli, A. Volchak

ID 022 **FLOODS ON THE TERRITORY OF POLESIE**

A. Volchak, A. Meshyk, M. Sheshka, I. Bulskaya

ID 118 **IS RAINFALL INTENSITY IN THUNDERY WEATHER RELATED TO LIGHTNING FLASHES?**

V. Iordanidou, A. Koutroulis, I. Tsanis

ID 025 **MONTHLY TRENDS OF PRECIPITATION IN GAUGING STATIONS IN SLOVAKIA**

M. Zeleňáková, P. Purcz, Z. Poórová, I. Alkhalaf, H. Hlavatá, M. M. Portela

ID 072 **COMPARISON OF PRE AND POST DEVELOPMENT LOW FLOW CONDITIONS FOR DRINA RIVER**

B. B. Matić, Z. Simić

ID 096 **WATER BUDGET ASSESSMENT FROM GLDAS MODEL**

M. Birylo, Z. Rzepecka, J. Nastula

ID 108 **ESTIMATING THE WATER RESOURCES VULNERABILITY INDEX IN THE ADRIATIC SEA REGION**

V. Kanakoudis, S. Tsitsifli, A. Papadopoulou, B. Cencur Curk, B. Karleusa

DISCUSSION

ROOM A		ROOM B	
<b>12:30-14:30</b>	<b>SESSION A9 - GLOBAL CHANGES AND SMART CITIES</b> <b>Chairpersons:</b> T. Caloiero, K. Gonelas	<b>SESSION B9 -TOPIC: HYDROLOGY III</b> <b>Chairpersons:</b> D. Dimkić, I. Trichakis	
12:30-12:45	ID 120 <b>HYDROLOGIC AND GEOCHEMICAL MODELING OF KERITIS RIVER BASIN</b> A. Dimitriou, G. V. Giannakis, S. D. Nerantzaki, N. P. Nikolaidis	ID 038 <b>NEW METHOD FOR ESTIMATION MEAN HYDROLOGICAL CHANGES AND QUESTION OF RELIABILITY IN FORECASTING FUTURE HYDROLOGICAL REGIMES</b> D. Dimkić	
12:45-13:00	ID 005 <b>TRENDS IN THE DAILY PRECIPITATION CATEGORIES OF CALABRIA (SOUTHERN ITALY)</b> T. Caloiero, R. Coscarelli, E. Ferrari, B. Sirangelo	ID 076 <b>PREDICTION OF SOIL MOISTURE FROM REMOTE SENSING DATA</b> E. Taktikou, G. Bourazanis, G. Papaioannou, P. Kerkides	
13:00-13:15	ID 059 <b>WATER ACCOUNTING IN THE PO RIVER BASIN APPLIED TO CLIMATE CHANGE SCENARIOS</b> M. Pedro-Monzonis, M. Del Longo, A. Solera, S. Pecora, J. Andreu	ID 111 <b>DEVELOPMENT OF AN INTEGRATED GROUNDWATER AND SURFACE WATER MODEL IN A PAN-EUROPEAN SCALE</b> I. Trichakis, P. Burek, A. de Roo, A. Pistocchi	
13:15-13:30	ID 102 <b>INCREASING WATER RESOURCES AVAILABILITY UNDER CLIMATE CHANGE</b> A. Beran, M. Hanel, M. Nesládková, A. Vizina	ID 041 <b>AN OPTIMAL WATER ALLOCATION MODEL FOR THE CONJUNCTIVE USE OF SURFACE AND GROUNDWATER RESOURCES IN “STRESSED” BASINS: A CASE STUDY IN CHALKIDIKI, GREECE</b> M. Katirtzidou, P. Latinopoulos	
13:30-13:45	ID 116 <b>EVALUATION OF A GLOBAL LAND SURFACE MODEL. SENSITIVITY TO THE METEOROLOGICAL FORCING</b> L. Papadimitriou, A. Koutroulis, M. Grillakis, I. Tsanis	ID 119 <b>HYDROLOGICAL MODELING OF A MEDITERRANEAN WATERSHED AND EVALUATION OF A PROPOSED DAM</b> A. I. Kouri, S. D. Nerantzaki, G. V. Giannakis, N. P. Nikolaidis	
13:45-14:00	ID 142 <b>EVALUATING GOOGLE TRENDS AS A TOOL FOR INTEGRATING THE SMART HEALTH CONCEPT IN THE SMART CITIES’ GOVERNANCE IN USA</b> A. Sampri, A. Mavragani, K. P. Tsagarakis	ID 101 <b>SENSITIVITY ANALYSIS IN WATERSHED MODEL USING SUFI-2 ALGORITHM</b> K. Khalid, M.F. Ali, N.F.A. Rahman, M.R. Mispan, S.H. Haron, M.F. Bachok, Z. Othman	
14:00-14:30	DISCUSSION	DISCUSSION	
<b>14:30 -15:00 ROUND TABLE, CONFERENCE CLOSURE</b>			



Last updated: 28/5/2016



# POSTER PRESENTATIONS

## POSTER GROUP A THURSDAY, JUNE 2<sup>ND</sup>

Presentation Period: 09:00-18:00

Author's Presence: 12:30-13:30 & 17:00-18:00

- ID 087 **EXPERIMENTAL AND NUMERICAL STUDY OF TURBULENT FLOW IN OPEN CHANNELS WITH IMPERMEABLE AND POROUS BED**  
E. Keramaris, G. Pechlivanidis, D. Kasiteropoulou, N. Michalolias, A. Liakopoulos
- ID 088 **SIMILARITIES AND DIFFERENCES BETWEEN HOT-FILM ANEMOMETRY AND PARTICLE IMAGE VELOCIMETRY MEASUREMENTS IN OPEN CHANNEL**  
E. Keramaris
- ID 006 **IMPORTANCE OF DIFFERENT VEGETATION USED ON GREEN ROOFS IN TERMS OF LOWERING TEMPERATURE AND WATER RETENTION**  
Z. Poórová, F. Vranay, M.S. AlHosni, Z. Vranayová
- ID 012 **METHODOLOGY FOR THE ESTIMATION OF THE TECHNICAL CONDITION IN THE CASE OF WATER TREATMENT PLANTS**  
T. Kučera, L. Tuhovcak, R. Biela
- ID 024 **EVALUATION OF ECOLOGICAL FLOW AND CONCENTRATIONS OF POLLUTANTS IN SELECTED RIVER BASINS IN EASTERN SLOVAKIA**  
V. O. Harbuláková, M. Zeleňáková, M. Rysulová, A. Repel, D. Simonová
- ID 054 **CHEMICAL CONTAMINATION OF WATER AND SEDIMENT IN THE PARDO RIVER, SÃO PAULO, BRAZIL**  
C.S. Machado, R.I. S. Alves, B. M. Fregonesi, K. A. A. Tonani, B. Spinosa de Martinis, J. Sierra, M. Nadal, J.L. Domingo, S. Segura-Muñoz
- ID 073 **SUSPENDED SEDIMENT TRANSPORT MONITORING, PREDICTION AND MANAGEMENT ON THE DRAVA RIVER IN SLOVENIA**  
Nekrep Perc M.
- ID 010 **EFFICACY OF SORPTION MATERIALS FOR NICKEL, IRON AND MANGANESE REMOVAL FROM WATER**  
R. Biela, T. Kučera
- ID 011 **WATER GLASS AS A PROMISING AGENT FOR THE REMOVAL OF CR AND P FROM DRINKING WATER**  
T. Kučera, R. Biela, Z. Zelený

## POSTER GROUP B FRIDAY, JUNE 3<sup>RD</sup>

Presentation Period: 09:00-17:30

Author's Presence: 11:30-12:30 & 15:00-16:00

- ID 107 **SEASONAL VARIATION OF SOIL MOISTURE IN IRRIGATED OLIVE TREES**  
N. Kourgialas, G. Doupis, A. Papafilippaki, G. Psarras, G. Koubouris
- ID 068 **DESIGNING WATER EFFICIENCY MEASURES IN A CATCHMENT IN GREECE USING WEAP AND SWAT MODELS**  
A. Psomas, Y. Panagopoulos, D. Konsta, M. Mimikou
- ID 139 **COMPARISON BETWEEN CURVILINEAR AND RECTILINEAR GRID BASED HYDRAULIC MODELS FOR RIVER FLOW SIMULATION**  
G. Morianou, N. Kourgialas, G. Karatzas
- ID121 **SIMULATING THE SPATIO-TEMPORAL DISTRIBUTION OF GROUNDWATER LEVELS UNDER CLIMATE CHANGE SCENARIOS USING AN INTEGRATED SURFACE-GROUND WATER MODEL**  
Ch. Gamvroudis, N. Nikolaidis, G. Karatzas, Z. Dokou
- ID 027 **STANDARD VERSUS SMART OPTIONS OF WATER SAVINGS DETERMINATION**  
M. Rysulová, D. Kaposztasova, P. Purcz
- ID 058 **SUSTAINABLE WATER (SW): A NEW CONCEPT TO MEASURE THE CONTAMINATION OF WATER RESOURCES**  
B. C. Soldera, E. De Oliveira
- ID 137 **EVALUATION OF TEMPORAL STORAGE ZONES IN KARSTIC AQUIFERS USING HYDROGEOCHEMICAL ANALYSIS**  
K. Kavouri, G. P. Karatzas, D. Moraetis
- ID 143 **WATER PURIFICATION IN MICROMAGNETOFLUIDIC DEVICES: MIXING IN MHD MICROMIXERS**  
N.Kefou, E. Karvelas, K. Karamanos, Th. Karakasidis and I. Sarris
- ID 008 **ASSESSMENT OF SUMMER DROUGHT IN 2015 USING DIFFERENT INDICES IN THE CATCHMENT OF BLANICE RIVER**

