

## HYD1

Hydraulic Engineering Session 1; 17 October, 2012			12:00-13:30	Hall B
Session Chair : Mustafa Göğüş				
Abstract Number	Title	Authors		
0541	Scour Countermeasure Design for Sequential Viaducts on Ankara – Pozantı Highway	Ali Melih Yanmaz, Egemen Çam		
0176	Estimation of Local Scour Dimension in Downstream of Siphon Spillway Using of Data Driven Methods	Reza Jafarinia, Kourosh Qaderi, Adel Pournemat-Roudsari		
0688	Effect of Abutment Length on Scour Pattern for Abutments With Curved Toe	Mustafa Göğüş, Mete Köken, Burhan Yıldız		
0767	Experimental Study of Local Scour Downstream of Cylindrical Bridge Piers	Mohammed Tariq Al-Shareef, Mustafa Günal		
0675	Criteria for Choosing Correct Turbine for Small Hydropower Plants	Ali Günyaktı		

## HYD2

Hydraulic Engineering Session 2; 17 October, 2012			15:30-17:00	Hall B
Session Chair : Nuray Denli Tokyay				
Abstract Number	Title	Authors		
0120	Numerical Investigation of Operation Levels in a Surge Tank of a Small Hydropower Plant	Melih Çalamak, Zafer Bozkuş		
0819	Investigation of Waterhammer in Camlidere Dam-Ivedik Water Treatment Plant Pipelines	Emre Sakabaş, Zafer Bozkuş		
0181	Experimental and Numerical Modeling of Free Hydraulic Jump Downstream of a Gate	Veysel Gümüş, Mevlüt Sami Aköz, Oğuz Şimşek, Nazire Göksu Soydan, Mehmet Salih Kırkgöz		
1194	Experimental Investigation of Vertical Distribution of Suspended Sediment after Hydraulic Jump	Siavash Haghighi, Mohammad Reza Kavianpour, Keyvan Nasiri		
0942	Effects of Bed Roughness on the Characteristics of Hydraulic Jumps	Nuray Denli-Tokyay, Deniz Velioğlu		

## HYD3

Hydraulic Engineering Session 3; 17 October, 2012			17:30-19:00	Hall B
Session Chair : Ali Günyaktı				
Abstract Number	Title	Authors		
0184	Experimental and Numerical Modeling of Flow over a Gate-Controlled Semi-Cylinder Weir	Mehmet Salih Kırkgöz, Veysel Gümüş, Nazire Göksu Soydan, Oğuz Şimşek, Mevlüt Sami Aköz		
0913	Discharge Formula for Sharp-Crested Rectangular Weirs	Siamak Gharahjeh, İsmail Aydın, A. Burcu Altan-Sakarya		
1045	Identification of Effective Dimensionless Parameters in Total Sediment Transport Loads by the Principal Component Analysis	Yashar Karimi, Gökmen Tayfur		
1007	Application of Current Deflecting Wall-Sill on Sediment Control at Lateral Intake	Ghorban Mahtabi, Ali Hosseinzadeh-Dalir, Davood Farsadizadeh, Siamak Gharahjeh		
1424	Numerical Modeling of Navier-Stokes Equations Based Water Wave Propagation Using Radial Basis Function Collocation Method	Yavuz Tokmak, Osman S. Börekçi		

## HYD4

Hydraulic Engineering Session 4; 18 October, 2012			10:00-11:30	Hall B
Session Chair : Melih Yanmaz				
Abstract Number	Title	Authors		
0738	Numerical Simulation of Flood Wave Propagation due to Dambreak	İsmail Haltaş, Gökmen Tayfur, Şebnem Elçi		
1283	Performance and evaluation of harvesting system in residential buildings to reduce urban flooding in developing countries (Case study area: Hamadan, Iran)	Mohammad Hossein Rashidi-Mehrabadi, Bahram Saghafian, Mohammad Sadegh Sadeghian		
0160	Simulation of Reservoir Behaviour Using Generated Inflow and Performance Criteria	Mazouz Kherouf, Rachid Mansouri, Mouloud Mezaache		
0828	Comparison of Hedging Policies in Reservoir Management under Drought Condition	Alireza Borhani Dariane, Farzane Karami		
1031	Development of a Decision Support System for Real Time Reservoir Operation Using Numerical Weather Prediction Data	Aynur Şensoy, Gökçen Uysal, Ömer Yavuz, Ali Arda Şorman, Tolga Gezgin, Türker Akgün		

## HYD5

Hydraulic Engineering Session 5; 18 October, 2012			12:00-13:30	Hall B
Session Chair : Nuri Merzi				
Abstract Number	Title	Authors		
0842	Hydraulic Assessment for Commercial Pipe Design by Using Power Form Equation	Gürol Yıldırım		
0843	Stepwise Procedure for Computing Micro-irrigation Lateral Head Losses	Gürol Yıldırım		
0462	Chance Constrained Optimization of Booster Disinfection in Water Distribution Networks	Ezgi Köker, A. Burcu Altan Sakarya		
0337	Pump Scheduling Optimization of Water Distribution Networks Using Genetic Algorithms	Gençer Gençoğlu, Nuri Merzi		
0355	Estimation of Frictional Pressure Losses in Annulus with Pipe Rotation Using Support Vector Machines and Computational Fluid Dynamics	Mehmet Sorgun, Ahmet Murat Özbayoğlu, Mehmet Evren Özbayoğlu		

## HYD6

Hydraulic Engineering Session 6; 18 October, 2012			15:30-17:00	Hall B
Session Chair : Zuhale Akyürek				
Abstract Number	Title	Authors		
0769	Determination of Expected Value for Monthly Total Precipitation by Entropy Based Method	Özgür Temiz, Türkay Baran		
0587	Entropy-Based Probability Distribution Estimation for Daily Flows	Aslıhan Albostan, Bihret Önöz		
0775	River Flow Forecasting Using Adaptive Neuro-Fuzzy Inference System and Wavelet	Alireza Borhani Dariane, Shima Azimi		
1231	Trend Analysis of Tigris River Basin Stream Flow Data	Abdullah Muratoğlu, Mehmet İshak Yüce		
0905	Quantifying Vertical Mixing in Stratified Reservoirs	Şebnem Elçi		

## HYD7

Hydraulic Engineering Session 7; 18 October, 2012			17:30-19:00	Hall B
Session Chair : İsmail Yücel				
Abstract Number	Title	Authors		
0546	Modeling of Seasonal Snow Water Potential and Daily Discharges in the Upper Euphrates Basin, Turkey	Ali Arda Şorman, Aynur Şensoy, Ersin Gözel, Egemen Yamankurt, Ali Ünal Şorman		
0476	Analysis of Heavy Rainfall Events Using Hydrometeorological System and Remote Sensing	Alper Önen, İsmail Yücel		
0626	Downscaling of Precipitation to Tahtali Watershed in Turkey for Climate Change Scenarios	Umut Okkan, Okan Fıstıkoğlu		
0486	Confidence Limit Estimation of Maximum Value of Drought Parameters Using Stochastic Models: Case Study of Çoruh Basin, Turkey	İbrahim Can, Fatih Tosunoğlu		
0876	Development of Rainfall-Runoff Model Using System Dynamics (SD) Analysis	Alireza Borhani Dariane, Mohammad Mehdi Javadianzadeh		

## HYD8

Hydraulic Engineering Session 8; 19 October, 2012			10:00-11:30	Hall B
Session Chair : İsmail Aydın				
Abstract Number	Title	Authors		
1293	Comparison of boundary-blockage and boundary-friction effects on an air-entraining vortex	Kerem Taştan		
1425	A Comparison between 3D LES of Vortex Shedding of Uniform and Tapered Cylinders in Subcritical Reynolds Number	Mostafa Zeinoddini, Vahid Tamimi, Selda Shahvaghar Asl		
0716	Modeling of Aeration on the Spillways	Egemen Aras, Mehmet Berkün		
0614	Experimental Study on the Effects of Inlet Flows on Aeration in Chute Spillway (Case Study: Jare Dam, Iran)	Hamid Shamloo, Sarvenaz Hoseini-Ghafari, Mohamad Kavianpour-Esfahani		
0649	Hydraulic Model and Numerical Study of Vortex Formation in Head Pond of Adacami Hydropower Plant	İsmail Aydın, Mete Köken, Akın Aybar		

## HYD9

Hydraulic Engineering Session 9; 19 October, 2012			14:30-16:00	Hall B
Session Chair : Arda Şorman				
Abstract Number	Title	Authors		
0177	Erosion and Sediment Transport Problems in the Harran Plain	Yakup Darama		
0357	The use of Satellite Data for Sustainable Development of the Water Resources in the Mountainous Terrain	Zuhal Akyürek, Serdar Süner, Özgür Beşer, Kenan Bolat, Aynur Şensoy, Ali Arda Şorman, Aydın G. Ertürk		
0867	Impact of Land Use /Cover Changes on Water Quality and Quantity in a Calibrated Hydrodynamic Model	Sezar Gülbaz, Cevza Melek Kazezyılmaz-Alhan		
0122	How Well Can Ensemble-Averaging Approach Account for the Sub-Grid Heterogeneity in Hydraulic Modeling Problems	Ahmet Emin Kurtoğlu, İsmail Haltaş		
1389	River Basin Management and Characterization of Water Bodies in North Cyprus	Umut Türker, Benny R. Hansen		

## HYD10

Hydraulic Engineering Session 10; 19 October, 2012			16:30-18:00	Hall B
Session Chair : Halil Önder				
Abstract Number	Title	Authors		
0970	Surface Water/Ground Water Interactions in Büyükçekmece Wetland Site	Uğur Boyraz, Cevza Melek Kazezyılmaz-Alhan		
0419	Seepage Analysis through Earth-fill Dams Having Random Fields	Melih Çalamak, Elçin Kentel, Ali Melih Yanmaz		
1369	Electricity Market in Turkey – 2011	Mümtaz Ak, Melih A. Yanmaz, Elçin Kentel		
0542	Analysis of 2010 Bostancı-Güzelyurt Flash Flood	Bertuğ Akıntuğ, A. Melih Yanmaz, Zuhal Akyürek, Serdar Süner		
1218	Solution of One Dimensional Transient Flow in Composite Aquifers Using Stehfest Algorithm	Ürün Bakar, Halil Önder		
1383	Groundwater Vulnerability Assessment with Drastic Method: A Case-Study on Kırıkkale Plain, Turkey	Halil Önder, Ahmet Hakan Büyükdemirci		

## HYD POSTER

Hydraulic Engineering Poster Session		
Abstract Number	Title	Authors
0205	Numerical Analysis of Geometry Effects on Aeration in Bottom Outlets	Fatemeh Ghazali, Seyyed Ali Akbar Salehi-Neyshabouri, Mohammad Reza Kavianpour
0963	Modeling of Potable Water Distribution Systems	Ayşenur Uslu, Gülfem Bakan
1290	3D-Numerical Simulation of Pool and Weir Fishways	Shadi Aknooni, Hamid Shamloo