Scientific Program

International Conference on

Hydrology & Ground Water Expo

September 10-12, 2012 Hilton San Antonio Airport, USA



"Organize your Events at OMICS Group Conferences"

Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences in related areas under the scheme title of your own. These proposals can be sent to respective conference mail ids or to symposia@omicsonline.com

OMICS Group Conferences
5716 Corsa Ave., Suite 110, Westlake Los Angeles, CA 91362-7354, USA
Phone: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499
Email: hydrology2012@omicsonline.com

18:00-19:00 Registrations September 9, 2012

Day 1 September 10, 2012

07:30-08:30 Registrations

Breakout 1

OMICS Group Conferences
Accelerating Scientific Discovery

09:00-09:25 **Opening Ceremony**

Keynote Forum

09:25-09:30 Introduction

09:30-09:55 **Paul V. Zimba**
Texas A&M University Corpus Christi, USA

09:55-10:20 **Shoou-Yuh Chang**
North Carolina A&T State University, USA

Coffee Break 10:20-10:35

10:35-11:00 **Worku L. Mulat**
University of Connecticut, USA

Track 1: Hydrogeology
Track 2: Hydrobiology
Track 6: Waste Water Treatment

Session Introduction

11:00-11:20	**Title: Animal ingestion of brevetoxin laden fish-avian, aquatic and terrestrial impacts** **Paul V. Zimba**, Texas A&M University Corpus Christi, USA
11:20-11:40	**Title: Computational modeling of subsurface systems** **Phoolendra K Mishra**, California State University-Fullerton, USA
11:40-12:00	**Title: Fatty acid amides are responsible for the toxicity of the harmful alga *Prymnesium parvum*** **Matthew J. Bertin**, Medical University of South Carolina, USA
12:00-12:20	**Title: Site characterisation of an LNAPL contaminated fractured-rock aquifer** **Modreck Gomo**, Institute for Groundwater Studies, South Africa

Lunch Break 12:20-13:05

13:05-13:25	**Title: Sulfur reclamation oriented biotechnology of denitrifying sulfide removal from organic waste water** **Aijie Wang**, Harbin Institute of Technology, China
13:25-13:45	**Title: Development of synthetic fracturing fluid and multiplex pyrosequencing to detect hydraulic fracturing fluid releases in aquifer materials** **Maryam I. Ansari**, The Ohio State University, USA
13:45-14:05	**Title: Solute transport in horizontal two-dimensional homogeneous porous media: Dispersion being temporally dependent** **Dilip Kumar Jaiswal**, Lucknow University, India
14:05-14:25	**Title: Environmental isotopic proxies for evaluating Geo-Hydrologic and pollution aspects of groundwater** **Somashekar**, Bangalore University, India
14:25-14:45	**Title: Preliminary interpretation of environmental isotopes data in the ain el atti area (Tafilalt)** **Mohamed Aoubouazza**, Biodiversity and Soil Conservation Forestry Research Center, Morocco
14:45-15:05	**Title: Removal of heavy metal ions from ground and surface water samples using carbons derived from date pits in aseer area, KSA** **N.S.Awwad**, King Khalid University, Kingdom of Saudi Arabia

Coffee Break 15:05-15:20

15:20-15:40	**Title: Hydrodynamic study of an artificial reef: Case of the agadir bay, Morocco** **Mohammed Idrissi,** National Fisheries Research Institute, Morocco
15:40-16:00	**Title: Seismic refraction investigation at Ain Al Faras of Gadames city, Libya** **Fathi S. Elburas,** Tripoli University, Libya
16:00-16:20	**Title: Hydrology study of upper awash basin to evaluate the groundwater recharge, north western Ethiopia** **Tibebe Belete Tigabu,** University of Gondar , Ethiopia
16:20-16:35	**Panel Discussion**
18:25-19:25	**Cocktails: Sponsored by Hydrology: Current Research**

Day 2 September 11, 2012

Registrations 09:00-10:00

Breakout 1

Track 3: Hydroclimate
Track 4: Water Pollution
Track 7: Modelling of Watershed Systems

Session Introduction

10:00-10:20	**Title: Euglenaphycin: Role in cancer treatment?** **Paul V. Zimba,** Texas A&M University Corpus Christi, USA
10:20-10:40	**Title: Adaptation to rainfall intensity variation considering climate change for the planning & design of urban storm water drainage infrastructure** **Thewodros G. Mamo,** Polytechnic Institute of New York University, USA
10:40-11:00	**Title: Heavy metals contamination in Indian subcontinent** **Sanjay K. Sharma,** JECRC University, India

Coffee Break 11:00-11:15

11:15-11:35	**Title: Photocatalytic degradation of azo-dye under sunlight with different types of sonochemically synthesized ZnO nanoparticles – A comparative study** **Prantik Banerjee,** University of Calcutta, India
11:35-11:55	**Title: Reduction of hexavalent chromium in wastewater using hydrogen peroxide** **Pallavi Mitra,** University of Calcutta, India
11:55-12:15	**Title: An integrated study of hard rock aquifers in the Eastern Desert, Egypt** **M.M. Saber,** Assiut University, Egypt
12:15-12:35	**Title: Impact of climate change on hydro-meteorology of Imja watershed of Nepal** **Lekha Nath Bagale,** Govt. of Nepal, Ministry of Environment, Nepal

Lunch Break 12:35-13:20

13:20-13:40	**Title: Overview of the bacteriological quality of ground water sources used by local communities from Bukavu town (eastern DRCongo) as sources of drinking water** **M.B. Theodere Munyuli,** Higher Institute of Medical Technology in Bukavu, Democratic Republic of Congo
13:40-14:00	**Title: Predicting the yields of deep wells of the deltaic formation, Niger delta Nigeria** **Akinwumiju A.S,** Bunmak Systems Limited, Nigeria
14:00-14:20	**Title: Application of hydrostatic equilibrium in leachate flow control in landfills** **Adegoke J. A,** University of Agriculture, Nigeria
14:20-14:40	**Title: Seasonal variation in fluoride content of groundwater of Ujjain, India** **Neelam Sharma,** Govt.Madhav Science College, India
14:40-15:00	**Title: Daily water consumption fluctuations in response to heat waves and dust storms in the city of Riyadh, Saudi Arabia** **Assaf Alhawas,** King Saud University, Saudi Arabia
15:00-15:20	**Title: Hyper-eutrophycation and intensive foam formation in the Dardanelles, Turkey** **Muhammet Turkoglu,** Mart University, Turkey
15:20-15:35	**Panel Discussion**

Coffee Break 15:35-15:50

Breakout 2

Editorial Board Meeting

14:50-16:50	**Scientific Partnering**
16:50-18:30	**Poster Presentations**
18:30-19:30	**Cocktails: Sponsored by Journal of Aquaculture Research & Development**

Day 3 September 12, 2012

Breakout 1

Track 5: Water Quality
Track 8: Aquatic and Marine Ecosystems
Track 9: Emerging Focus in Hydrology Research

Session Introduction

10:00-10:20	**Title: Evaluating the capability of an environmental observatory in oil-spill response activities** **Mohammad S. Islam,** Clarkson University, USA
10:20-10:40	**Title: Comparison of the groundwater quality in the west Tahta area, Upper Egypt in 1989 and 2011** **Ismail Esam,** Montan University Leoben, Austria
10:40-11:00	**Title: Determining the occurrence of freshwater in the aquifers of the deltaic formation, Niger delta Nigeria** **Akinola Akinwumiju,** Bunmak Systems Limited, Nigeria

Coffee Break 11:00-11:15

11:15-11:35	**Title: Lattice Boltzmann modeling of transient well hydraulics in highly permeable confined aquifer** **Shadab Anwar,** Missouri University of Science and Technology, USA
11:35-11:55	**Title: Assessing the ecosystem services of water resources and runoff regulation in the upstream of highly urbanized area - A case study in Wutu Watershed** **Yu-Pin Lin/Chun-Wei Huang,** National Taiwan University, Taiwan
11:55-12:15	**Title: M-SCTE - Metals speciation and contamination in inter-tidal region of a tropical estuary** **G. N. Nayak,** Goa University, India
12:15-12:35	**Title: The system dynamics modeling of geo-synthetic clay landfill liners** **S.O. Ojoawo,** Ladoke Akintola University of Technology, Nigeria
12:35-12:50	**Panel Discussion**

Lunch Break 12:50-13:50

Bookmark your dates

2nd International Conference on

Hydrology & Ground Water Expo

August 26-28, 2013 Raleigh, North Carolina, USA

OMICS Group Conferences
Accelerating Scientific Discovery



OMICS Group Inc.
2360 Corporate Circle, Suite 400
Henderson, NV 89074-7722, USA
Ph: +1-888-843-8169
Fax: +1-650-618-1417
omicsonline@omicsonline.com

OMICS Publishing Group
5716 Corsa Ave., Suite 110, Westlake
Los Angeles, CA 91362-7354, USA
Ph: +1-650-268-9744
Fax: +1-650-618-1414
omicsonline@omicsonline.org

OMICS Group
1-90/1, Plot No. 20, Kavuri Hills
Madhapur - HITEC City
Hyderabad, A P, INDIA - 500 081
Ph: 040-40206068, 40131823
omicsgroup@omicsgroup.org

Toll free
USA & Canada: 1-800-216-6499
Australia: 1-800-651-097
Europe: 0805-080048