Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

2nd International Conference on
Hydrology & Groundwater Expo

August 26-27, 2013 DoubleTree by Hilton, Raleigh, NC, USA



"Organize your Events at OMICS Group Conferences"

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

OMICS Group Conferences
5716 Corsa Ave., Suite 110, Westlake Los Angeles, CA 91362-7354, USA
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Email: *hydrology2013@omicsonline.net*

Day 1 August 26, 2013

08:30-09:30 Registrations

Lincoln

OMICS Group Conferences
Accelerating Scientific Discovery

09:30-09:55 **Opening Ceremony**

Keynote Forum

09:55-10:00 **Introduction**

10:00-10:30 **Monzur Alam Imteaz**
Swinburne University of Technology, Australia

10:30-11:00 **Slobodan P. Simonovic**
The University of Western Ontario, Canada

Coffee Break 11:00-11:15 @ Roosevelt

11:15-11:45 **Hafiz Ahmad**
Florida State University- Panama City, USA

11:45-12:15 **Andreas Schmid**
University of Applied Sciences, Germany

Track 1: Hydrology
Track 2: Hydrogeology
Track 3: Geosciences and Geophysics
Track 6: Waste Water Treatment

Session Chair: Zhaodong Feng, Xinjiang Institute of Ecology and Geography, China
Session Co-Chair: Fathi Ali Swaid, The Great Man-Made River Water Utilization Authority, Libya

Session Introduction

12:15-12:40 **Title: Surface runoff responses to climate change and LUCC in the Asian arid zone**
Zhaodong Feng, Xinjiang Institute of Ecology and Geography, China

12:40-13:05 **Title: Hydrologicalwater management in spatial planning from the perspective of decision-aid**
Ngoc Tu Tong, University of Paris-East, France

Lunch Break 13:05-13:50 @ Roosevelt

13:50-14:15 **Title: Calibration of partial saturation model (GPHPS)**
Fathi Ali Swaid, The Great Man-made River water Utilization Authority, Libya

14:15-14:40 **Title: Soil water movement through vadose zone as influenced by a flooding event in Gareh Bygone (saturated phase)**
M. Pakparvr, Gent University, Belgium

14:40-15:05 **Title: Development of stage-discharge relationship using simple rating curve, ANN and data transformation techniques**
Ashu Jain, Indian Institute of Technology Kanpur, India

15:05-15:30 **Title: Reliability analysis of rainwater tanks under different climatic and spatial conditions: A case study for Sydney**
Monzur Alam Imteaz, Swinburne University of Technology, Australia

Coffee Break 15:30-15:45 @ Roosevelt

15:45-16:10 **Title: Assessment of uncertainty in flood flows under climate change impacts**
Slobodan P. Simonovic, The University of Western Ontario, Canada

16:10-16:35 **Title: Improving mass transfer in gas-liquid systems by "supercavitation"**
Andreas Schmid, University of Applied Sciences, Germany

16:35-17:00 **Title: Application of GIS in flood potential zone recognition; Case study, TATT-SC**
Farzam Safarzadeh Maleki, Clemson University, USA

17:00-17:25 **Title: Evaluation of SCS curve number and rational equation methods for the determination of surface runoff using GIS and remote sensing - A case of South Saudi Arabia**
Firas Alazem, Ministry of Water and Electricity, Saudi Arabia

17:25-17:50 **Title: Impacts of climate change induced precipitation variability on high mountains of Nepal - Kaligandaki River Basin, North of Nepal**
Lekha Nath Bagale, Government of Nepal, Dept. of Hydrology & Meteorology/Tribhuvan University, Nepal

17:50-18:15	**Title: Ground water contamination due to waste disposal, a case study in Taulihawa valley, West of Nepal** **Rajan Subedi,** Tribhuvan University, Nepal
18:25-19:25	**Cocktails Sponsored by Hydrology: Current Research Panel Discussion**

Day 2 August 27, 2013

Lincoln

09:30-10:00	**Registrations**

Track 4: Water Pollution
Track 5: Water Quality
Track 7: Modelling of Watershed Systems
Track 8: Hydrology Current Research

Session Chair: Mohiuddin Ali Khan, Temple University, USA

Session Introduction

10:00-10:25	**Title: Effect of current drought to Canadian river basin** **John Zhu,** Texas Water Development Board, USA
10:25-10:50	**Title: A review on the longitudinal dispersion in channels** **Z. Fuat Toprak,** Dicle University, Turkey

Coffee Break 10:50-11:10 @ Roosevelt

11:10-11:35	**Title: Recent developments in the regression methods for computing peak flood discharges** **Mohiuddin Ali Khan,** Temple University, USA
11:35-12:00	**Title: Flooding impacts on shallow groundwater and associated water supply in the coastal region of Nigeria** **Olukayode Akinyemi,** Federal University of Agriculture, Nigeria
12:00-12:25	**Title: Water balance evaluation of Beresa catchment with emphasis to groundwater recharge, Upper Blue Nile basin, Ethiopia, Eastern Africa** **Tibebe Belete Tigabu,** University of Gondar, Ethiopia
12:25-12:50	**Title: Removal of heavy metal ions (Cd2+, Pb2+, Ni2+, Zn2+ and Cr2+) and Rhodamine (B) dye using Nanostructured Graphite Oxide** **Ahmad Kabbani,** Lebanese American University, Lebanon
12:50-13:15	**Title: Toxic elements fractionation during underground water purification processes: Concentration and environmental impacts** **Ashraf E. M. Khater,** King Saud University, Saudi Arabia

Lunch Break 13:15-14:00 @ Roosevelt

14:00-15:00	**Poster Presentations** **Award Ceremony**

Bookmark your dates

OMICS Group Conferences
Accelerating Scientific Discovery

2nd International Conference on
Oceanography
September, 2014 USA

Bookmark your dates

OMICS Group Conferences
Accelerating Scientific Discovery

3rd International Conference and Exhibition on
Earth Science & Climate Change
July 28-30, 2014 San Francisco, USA

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OMICS Group Upcoming Conferences

Pharmaceutical/Chemistry

2nd International Conference and Exhibition on
Biowaivers & Biosimilars
September 23-25, 2013 Hilton Raleigh-Durham Airport at RTP, NC, USA

International Conference and Exhibition on
Biochemical & Molecular Engineering
October 07-09, 2013 Hilton San Antonio Airport, TX, USA

2nd International Conference on
Medicinal Chemistry & Computer Aided Drug Designing
October 15-17, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

4th International Conference and Exhibition on
Analytical & Bioanalytical Techniques
October 15-17, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

3rd International Conference on
Pharmaceutical Regulatory Affairs
October 21-23, 2013 DoubleTree by Hilton Hotel San Francisco Airport, CA, USA

International Conference & Exhibition on
Pharmacognosy, Phytochemistry & Natural Products
October 21-23, 2013 Radisson Blu Plaza Hotel, Hyderabad, India

2nd International Summit on
GMP, GCP & Quality Control
November 12-14, 2013 DoubleTree by Hilton Hotel Chicago-North Shore, IL, USA

International Summit on
Clinical Pharmacy & Dispensing
November 18-20, 2013 Hilton San Antonio Airport, TX, USA

World Congress on
Petrochemistry and Chemical Engineering
November 18-20, 2013 Hilton San Antonio Airport, TX, USA

Medical Sciences

2nd International Conference on
Surgery & Anesthesia
September 16-18, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

International Conference on
Hematology & Blood Disorders
September 23-25, 2013 Hilton Raleigh-Durham Airport at RTP, NC, USA

International Conference on
Psychology, Autism and Alzheimer's Disease
September 30-October 01, 2013 Hilton San Antonio Airport, TX, USA

2nd International Summit on
Toxicology
October 07-09, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

3rd World Congress on
Cancer Science & Therapy
October 21-23, 2013 DoubleTree by Hilton Hotel San Francisco Airport, CA, USA

2nd International Conference and Exhibition on
Cell & Gene Therapy
October 23-25, 2013 Holiday Inn Orlando International Airport, Orlando, FL, USA

International Conference on
HIV/AIDS, STDs & STIs
October 24-25, 2013 Holiday Inn Orlando International Airport, Orlando, FL, USA

2nd International Conference and Exhibition on
Cosmetology & Trichology
November 12-14, 2013 DoubleTree by Hilton Hotel Chicago-North Shore, IL, USA

3rd World Congress on
Virology
November 20-22, 2013 DoubleTree by Hilton Baltimore-BWI Airport, MD, USA

3rd International Conference on
Cell Science & Stem Cell Research
November 20-22, 2013 DoubleTree by Hilton Baltimore-BWI Airport, MD, USA

2nd International Conference and Exhibition on
Obesity & Weight Management
December 02-04, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

International Conference and Exhibition on
Traditional & Alternative Medicine
December 09-11, 2013 Radisson Blu Plaza Hotel, Hyderabad, India

Omics

International Conference on
Omics Studies
September 04-06, 2013 Holiday Inn Orlando International Airport, Orlando, FL, USA

International Conference on
Functional and Comparative Genomics & Pharmacogenomics
November 12-14, 2013 DoubleTree by Hilton Hotel Chicago-North Shore, IL, USA

Clinical

2nd International Conference on
Clinical Microbiology & Microbial Genomics
September 16-18, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

2nd International Conference on
Clinical & Cellular Immunology
October 15-17, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

International Conference on
Nursing & Emergency Medicine
December 02-04, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

Engineering & Applied Sciences

International Conference and Exhibition on
Mechanical & Aerospace Engineering
September 30-October 02, 2013 Hilton San Antonio Airport, TX, USA

International Conference and Exhibition on
Lasers, Optics & Photonics
October 07-09, 2013 Hilton San Antonio Airport, TX, USA

2nd International Conference and Exhibition on
Materials Science & Engineering
October 07-09, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

2nd International Conference on
Forensic Research & Technology
October 07-09, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

3rd International Conference on
Nanotek & Expo
December 02-04, 2013 Hampton Inn Tropicana, Las Vegas, NV, USA

Life Sciences & Environmental

International Symposia on
Entomology
September 04-06, 2013 Holiday Inn Orlando International Airport, Orlando, FL, USA

4th World Congress on
Biotechnology
September 23-25, 2013 Hilton Raleigh-Durham Airport at RTP, NC, USA

2nd International Conference and Exhibition on
Probiotics & Functional Foods
October 23-25, 2013 Holiday Inn Orlando International Airport, Orlando, FL, USA

2nd International Conference and Exhibition on
Food Processing & Technology
October 28-30, 2013 Kansas City Marriott Country Club Plaza, USA

International Conference on
Fermentation Technology, Bioprocess & Cell Culture
October 28-30, 2013 Kansas City Marriott Country Club Plaza, USA

International Congress on
Bacteriology & Infectious Diseases
November 20-22, 2013 DoubleTree by Hilton Baltimore-BWI Airport, MD, USA

2nd International Conference on
Agricultural & Horticultural Sciences
February 03-05, 2014 Radisson Blu Plaza Hotel, Hyderabad, India

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