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Scientific Program

1st Global Geotechnical and Water Resource Engineering Summit

September 18-19, 2017 Hong Kong



Hosting Organization: Conference Series LLC

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Day 1 September 18, 2017

08:30-09:00 **Registrations**

Hall @ Ballroom B

conferenceseries.com **09:00-09:15** **Opening Ceremony**

Keynote Forum

09:15-10:00
Title: Available water resources index as an innovation on water quantity environments
Hi-Ryong Byun, Pukyong National University, South Korea

10:00-10:45
Title: Constraining groundwater flow model uncertainty: Workflow and application to deep low-permeable formations
Dirk Mallants, Commonwealth Scientific and Industrial Research Organisation, Australia

Group Photo

Networking & Refreshments 10:45-11:00 @ Foyer

11:00-11:45
Title: Inclusion of hydrological indicators in the evaluation of forest restoration
Kelly Cristina Tonello, Federal University of São Carlos, Brazil

Sessions:
Ground Water | Remote Sensing and GIS for Watershed Analysis | Watershed Management | Water Resource Planning and Management | Environmental Engineering | Hydrology

Session Introduction

Session Chair:
Mehman Agarza Oglu Rzayev, Scientific Production Association of Hydraulic Engineering and Amelioration, Azerbaijan

11:45-12:15
Title: A hierarchical approach for change detection of water areas using a multi-scale tile map
Yilang Shen, Wuhan University, China

12:15-12:45
Title: Comprehensive analysis of the CATHY model sensitivity to soil hydrodynamic properties of a tile-drained agricultural micro-watershed
Mushombe Muma, Universite Nouveaux Horizons, DR Congo

12:45-13:15
Title: Investigation on the swelling characteristics and unsaturated shear strength of expansive soils from Arba Minch in Ethiopia
Bantayehu Uba, Hawassa University, Ethiopia

Lunch Break 13:15-14:00 @ Ballroom A

14:00-14:45
Title: Water as important geoecological resource for the strategy of humanity's survival
Alexander Trofimov, Institute for Scientific Research in Cosmic Anthropoecology, Russia

14:45-15:45
Special Session Title: Performance, problems and remedial measures for roads constructed on expansive soil in Ethiopia – A review
Bantayehu Uba, Hawassa University, Ethiopia

Networking & Refreshments 15:45-16:00 @ Foyer

16:00-16:30
Title: Groundwater suitability assessment before and after flash flood in the arid region, Western Saudi Arabia
Jalal M Basahi, King Abdulaziz University, Saudi Arabia

16:30-17:00
Title: Rationalization of sustainability of water resources in Azerbaijan under intensive agriculture
Mehman Agarza Oglu Rzayev, Scientific Production Association of Hydraulic Engineering and Amelioration, Azerbaijan

17:00-17:30
Title: Raise the compulsion theory of sustainability in rural drinking water supply system
Lila Prasad Limbu, Tribhuvan University, Nepal

Panel Discussion

Day 2 September 19, 2017

Hall @ Ballroom B

Workshop

10:00-11:00

EARTH SCIENCE AND CLIMATE CHANGE
and
WATER RESOURCES SUMMIT
Combined Workshop
Title: Aqua-space suit as new geotechnology and universal human preventive mean during of heliophysical and climatic changes

Alexander Trofimov, Institute for Scientific Research in Cosmic Anthropoecology, Russia

Networking & Refreshments 11:00 -11:15 @ Foyer

11:15-12:15

EARTH SCIENCE AND CLIMATE CHANGE
and
WATER RESOURCES SUMMIT
Combined Workshop
Title: Aqua-space suit as new geotechnology and universal human preventive mean during of heliophysical and climatic changes (CONTINUED)

Alexander Trofimov, Institute for Scientific Research in Cosmic Anthropoecology, Russia

Lunch Break 12:15-13:15 @ Ballroom A

Special Session

13:15-14:00

Title: The Oxygenic Photogranule (OPG) process as a novel technology for wastewater treatment

Ahmed Abouhend, UMass Amherst, USA

Sessions:
Hydrometeorology | Water Quality Modelling | Climate Change | Geotechnical Engineering | Fluid Mechanics

Session Introduction

Session Chair: Mehman Agarza Oglu Rzayev, Scientific Production Association of Hydraulic Engineering and Amelioration, Azerbaijan

14:00-14:30

Title: Removal of excess toxic mercury (II) and arsenic (III) from wastewater by fish scales waste materials

Morlu Stevens, Botswana International University of Science and Technology, Botswana

14:30-15:00

Title: Key factors for flood control operation

Tae Jin Kim, Daegu University, South Korea

15:00-15:30

Title: Evaluation of statistical downscaling methodologies for Indian river basin

Kanhu Charan Patra, National Institute of Technology Rourkela, India

Networking & Refreshments 15:30-15:45 @ Foyer

Panel Discussion

Closing Cermony

Next in Series

2nd International conference on
Sustainable Water Resource Management and Development

April 23-24, 2018 Dubai, UAE