Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

2nd International Conference on
Earth Science & Climate Change

July 22-24, 2013 Embassy Suites Las Vegas, NV, USA



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OMICS Group Conferences
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Email: *earthscience2013@omicsonline.com*

Day 1 July 22, 2013

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

Riviera

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

Keynote Forum

09:55-10:00 Introduction

10:00-10:25 **Trofimov Alexander**
International Scientific Research Institute of Cosmic Anthropoecology, Russia

10:25-10:50 **Martin Aube**
Cegep de Sherbrooke, Canada

Coffee Break 10:50-11:05 @ Atrium

11:05-11:30 **A. Carpinteri**
Polytechnic University of Turin, Italy

11:30-11:55 **Lei Yan**
Peking University, China

Felicitation to OCM's and EB Members

Group Photo

Track 5: Issues in Global Warming and Climate Change

Session Chair: Gulnihal Ozbay, University of Delaware, USA
Session Co-Chair: A. Carpinteri, Polytechnic University of Turin, Italy

Session Introduction

11:55-12:15 **Climatological Influences on the Interannual and Seasonal Variations of Fine Particulate Matter (PM2.5) Cross Southern Ontario, Canada**
Jane Liu, University of Toronto, Canada

12:15-12:35 **Student Case Study on Climate Change Response and Adaptation: Fictional Aysese Islands in the South Pacific**
Gulnihal Ozbay, Delaware State University, USA

12:35-12:55 **The impact of global warming on long-term variations of temperature conditions in lakes (Southern Urals, Russia)**
Alexander Rogozin, Ilmen State Reserve of Russian Acad Sci, Russia

Lunch Break 12:55-13:40 @ Atrium

13:40-14:00 **TBA**
A.Carpinteri, Polytechnic University of Turin, Italy

14:00-14:20 **Detection of variabilities and trends in the tropical and south Atlantic ocean using reanalysis data and hydrodynamical numerical modeling**
Joseph Harari, University of Sao Paulo, Brazil

14:20-14:40 **Synchronization of the climate system to orbital eccentricity insolation and the 100ky problem**
Jose A. Rial, University of North Carolina, USA

14:40-15:00 **Cosmic-ray Generation, Propagation and Atmospheric Effects.**
Keran O'Brien, Northern Arizona University, USA

15:00-15:20 **Changes In The Frequencies of Unusual Hydroclimatological Events**
Yulizar, University of Stuttgart, Germany

Coffee Break 15:20-15:35 @ Atrium

15:35-15:55 **Air quality management in Agua Santa, Puebla**
Maria A. Osorio, Benemerita Universidad AutÃ³noma de Puebla, Mexico

15:55-16:15 **High-resolution dynamic downscaling of future climate over key cities in west and east Africa**
Ingo Simonis, Council for Scientific and Industrial Research, South Africa

16:15-16:25 **Panel Discussion**

17:30-18:30 Cocktails: Sponsored by **Journal of Earth Science & Climatic Change**

Day 2 July 23, 2013

Riviera

Track 6: Earth and Ecology

Session Chair: Lalit Kumar, University of New England, Australia

Session Co-Chair: Junsheng Nie, Lanzhou University Research School of Arid Environment and Climate Change, China

Session Introduction

10:00-10:20 **Climate change, weed invasions and impact on biodiversity hotspots**
Lalit Kumar, University of New England, Australia

10:20-10:40 **The correlation between the magnetic paleoclimatic record of the Chinese loess-red clay sequences and the marine benthic oxygen isotope record during the past 6 myr**
Junsheng Nie, Lanzhou University Research School of Arid Environment and Climate Change, China

10:40-11:00 **Application and Relevance of Indigenous Knowledge for Flood Management under Climate Change**
Rohini Prasad Devkota, University of Southern Queensland, Australia

Coffee Break 11:00-11:15 @ Atrium

11:15-11:35 **Fate and transport of 137Cs in aquatic ecosystems**
M.A. Ashraf, University of Malaya, Malaysia

11:35-11:55 **Why do we care? Native americans and the keystone pipeline XL**
Katie Bielicki, Delaware State University, USA

11:55-12:15 **Perception of local people and concerned authority regarding poaching of wild animals in Nepal**
Prabhakar Guragain, Hedmark University College, Norway

12:15-12:35 **Hydrochemical evaluation of groundwater evolution within the lower pra basin, Ghana: A Hierarchical Cluster Analysis (HCA) approach**
Collins Tay, Council for Scientific & Industrial Research - Water Research Institute, Ghana

12:35-12:45 **Panel Discussion**

Lunch Break 12:45-13:30 @ Atrium

Track 1: Earth Science: History
Track 2: Earth and its Dynamics
Track 3: Earth and Life
Track 4: Pedology and Pedogenesis

Session Chair: Trofimov Alexander, International Scientific Research Institute of Cosmic Anthropoecology, Novosibirsk, Russia

Session Co-Chair: Paul Flanagan, Dublin City University, Ireland

Session Introduction

13:30-13:50 **TBA**
Trofimov Alexander, International Scientific Research Institute of Cosmic Anthropoecology, Novosibirsk, Russia

13:50-14:10 **Can soil microbial communities be coaxed into the sequestration of atmospheric CO2?**
Paul Flanagan, Dublin City University, Ireland

14:10-14:30 **Landuse /Landcover pattern of River Front along the city of Patna (India)**
Shankar Dayal, Utkal University, India

14:30-14:50 **Smallholders' decisions to adapt climate-change: evidence from field level experimental games in the upper blue-Nile basin, Ethiopia**
Yalemzewd Nigussie, Environmental Economics and Natural Resources Group, Wageningen, The Netherlands

14:50-15:10 **Hypothesizing and Testing Causal Relationships in Correlated Time Series Observations**
Gary B. Hughes, California Polytechnic State University, USA

15:10-15:20 **Panel Discussion**

Coffee Break 15:20-15:35 @ Atrium

Tropicana-2

15:35-16:10 **Poster Presentation**

18:00-19:00 Cocktails: Sponsored by **Journal of Ecosystem & Ecography**

Day 3 July 24, 2013

Riviera

Track 9: Applications of Earth Science
Track 10: Earth and Environmental Science

Session Chair: Thomas G. Sonnleitner, University of Wisconsin Oshkosh, USA

Session Co-Chair: Martin Aubé, Cégep de Sherbrooke, Canada

Session Introduction

09:30-09:50 **Waste to Energy Using Anaerobic Digestion**
Thomas G. Sonnleitner, University of Wisconsin Oshkosh, USA

09:50-10:10 **TBA**
Martin Aube, Cégep de Sherbrooke, Canada

10:10-10:30 **Adsorption of dyes from aqueous solutions by domestic wastes: Analysis of the equilibrium state**
Abel E Navarro, Borough of Manhattan Community College, New York, USA

10:30-10:50 **Measurement of CO_2 fluxes, a greenhouse gas in aquaculture**
Khan Muhammad Nurul Islam, University of Western Sydney, Australia

10:50-11:10 **Assessing the impact of rainfall regimes and crop management practices to soil erosion in agricultural watershed using simulation model: a decision support tool in conservation planning and climate change adaptation in upland agriculture**
Orlando F. Balderama, Isabela State University, Philippines

11:10-11:20 Panel Discussion

Coffee Break 11:20-11:35 @ Atrium

Track 7: Earth Science and Hydrology
Track 8: Geography and Current Research

Session Chair: Uma Seeboonruang, King Mongkut's Institute of Technology, Thailand
Session Co-Chair: Makoto Yasutomi, University of the Ryukyus, Japan

Session Introduction

11:35-11:55 **Decomposition of deep groundwater signals for climate variability in the central plain of Thailand**
Uma Seeboonruang, King Mongkut's Institute of Technology, Thailand

11:55-12:15 **Effluent as surfactant for enhanced oil recovery**
Subrata Borgohain Gogoi, Dibrugarh University, India

12:15-12:35 **Modeling and forecasting arctic sea ice cover**
Peter Congdon, Queen Mary University of London, UK

12:35-12:55 **TBA**
Lei Yan, Peking University, China

12:55-13:15 **Why does liquid water have a maximum density at 4°C?**
Makoto Yasutomi, University of the Ryukyus, Japan

13:15-13:25 Panel Discussion

Lunch Break 13:25-14:15 @ Atrium

Award Ceremony

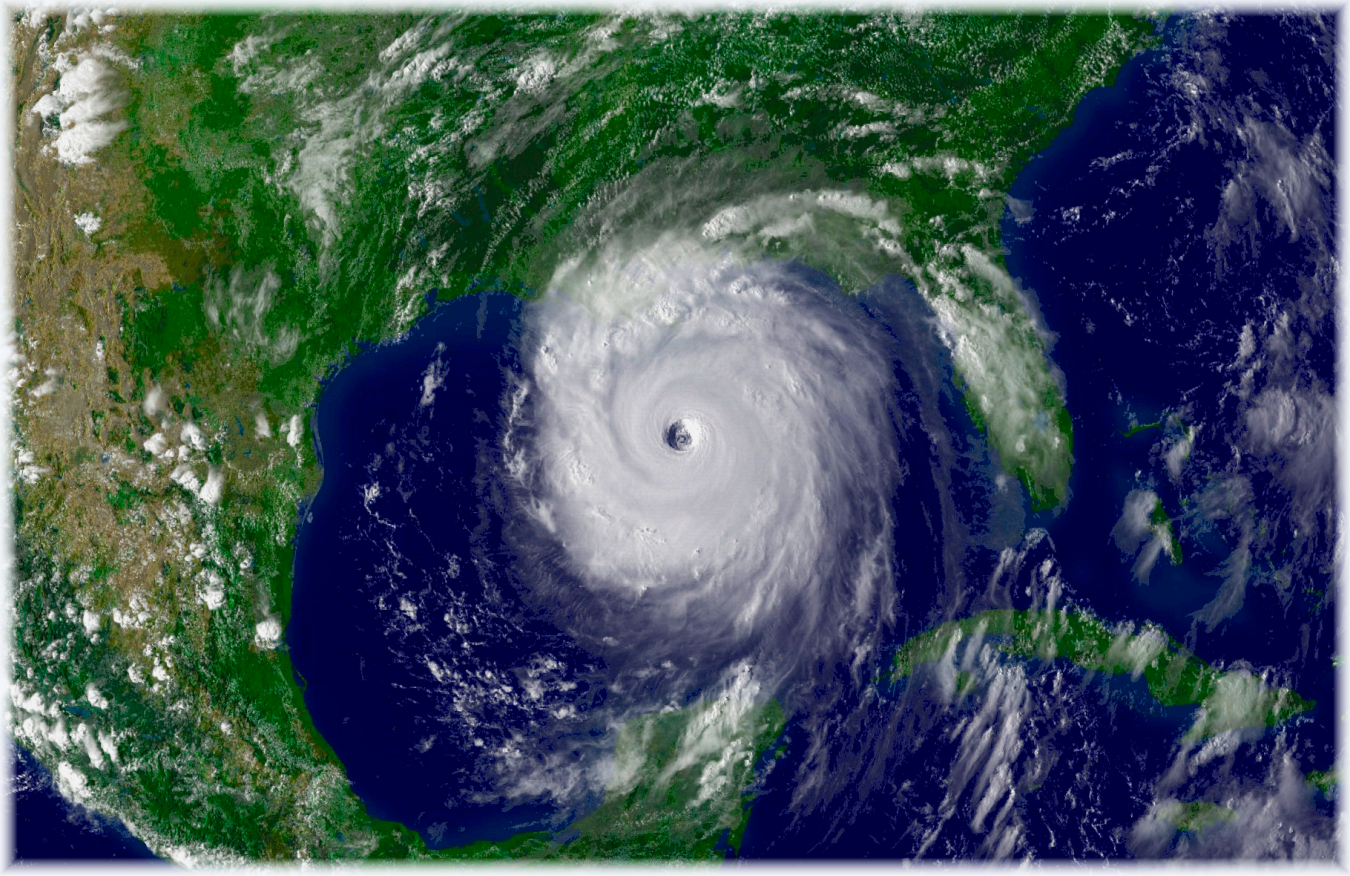
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OMICS Group Conferences
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3rd International Conference and Exhibition on

Earth Science & Climate Change

July 28-30, 2014 San Francisco, USA



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