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5th International Conference on

Earth Science & Climate Change

July 25-27, 2016 Bangkok, Thailand

Scientific Program



Busarakam Ballroom 1

conference**series.com** 08:30-09:00

Opening Ceremony

Keynote Forum

Introduction

- 09:00-09:45 **The grand challenges of emerging environmental issues**
Ahn Ji Whan, Korea Institute of Geosciences and Mineral Resources, Korea
- 09:45-10:30 **Learning experience and geoethics for human and natural sustainability**
David Crookall, Université de Nice Sophia Antipolis, France

Networking & Refreshments 10:30-10:45 @ Foyer

Sessions

Soil Science | Geoethics | Environmental Issues | Remote Sensing and GIS

Session Chair: Judith M Tisdall, La Trobe University, Australia

Session Co-Chair: David Crookall, Université de Nice Sophia Antipolis, France

Session Introduction

- 10:45-11:15 **Climate change and soils**
Judith M Tisdall, La Trobe University, Australia
- 11:15-11:45 **Remote sensing for marine autotrophic dynamics and diversity: Recent advances and opportunities**
Shovonlal Roy, University of Reading, UK
- 11:45-12:15 **Characterization of surface and trapped dust samples collected from human settlements that are in the vicinity of abandoned and ownerless mine tailings in Mpumalanga province, South Africa**
Shadung J Moja, Council for Geoscience, South Africa
- 12:15-12:45 **Carbon and nitrogen changes affected by elevated temperature and CO₂ under the open top chamber environment in rice paddy**
Seung-Chang Hong, National Institute of Agricultural Sciences, Korea
- 12:45-13:15 **Incorporating remote sensing data for high spatiotemporal groundwater management in data limited regions: A case study in India**
Pennan Chinnasamy, International Water Management Institute, Sri Lanka

Lunch Break 13:15-13:45 @ Public Restaurant

- 13:45-14:15 **Controlling methane emissions in a vermicompost-applied maapag paddy soil during rice cultivation**
Nonilona P Daquiado, Central Mindanao University, Philippines
- 14:15-14:45 **Converting of rubber-latex processing wastewater to biogas production using the anaerobic baffled reactor (ABR)**
Chavalit Ratanatamskul, Chulalongkorn University, Thailand
- 14:45-15:15 **Characteristics of the overflow pollution of storm drains with inappropriate sewage entry**
Hailong Yin, Tongji University, China

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

- 15:30-16:00 **Evaluation and grade partition of urban village fire risk: A case study of NanTing village, Guangzhou**
Wu Da-fang, Guangzhou University, China
- 16:00-16:20 **A geochemical study of settleable dust samples collected near some old and abandoned asbestos mine dumps in Limpopo province, South Africa**
Maphuti Kwata, Council for Geoscience, South Africa
- 16:20-16:40 **The model for estimating diffuse fraction of global solar erythemal ultraviolet radiation in Thailand**
Pranomkorn Choosri, Silpakorn University, Thailand
- 16:40-17:00 **Simulation of PM₁₀ concentrations over Upper Northern Thailand during dry season using CMAQ model**
Ammar M G Gaber, Chiang Mai University, Thailand
- 17:00-17:30 **Soil microbial succession and changes of functional genes in response to climate change with latitude simulated by long-term soil transplant**
Yuting Liang, Institute of Soil Science - CAS, China

17:30-18:00 **Carbon isotope of soil organic matter varies with temperature along an isoline of mean annual precipitation in China and their relevance to paleoprecipitation reconstruction**

Yufu Jia, China Agricultural University, China

Panel Discussion

Day 2 July 26, 2016

Busarakam Ballroom 1

Keynote Forum

08:00-08:45 **Earth's climate change in the 20th and 21st Centuries: The phenomenon of global warming and its impacts**

Venkatachalam Ramaswamy, Princeton University, USA

Sessions:

Climate Change | Global Warming | Earthquakes and other Natural Hazards

Session Chair: Venkatachalam Ramaswamy, Princeton University, USA

Session Co-Chair: Paul Comet, Comet Environmental Consulting, USA

Session Introduction

08:45-09:15 **Economic consequences of climate change impacts on road transportation network in Atlantic Canada**

Yuri Yevdokimov, University of New Brunswick, Canada

09:15-09:45 **An integrated model of sustainability and emission control: The concept of society as a super organism that lives by consuming its own waste using alternative energy as currency**

Paul A Comet, Comet Environmental Consulting, USA

09:45-10:15 **Lowering of CO₂ emissions based on higher consciousness and good human habits**

Posada R Enrique, INDISA S.A, Colombia

Networking & Refreshment Break 10:15-10:30 @ Foyer

10:30-11:00 **Frozen ground temperature trends associated with climate change in the Tibetan Plateau three river source region from 1980 to 2014**

Siqiong Luo, Chinese Academy of Science, China

11:00-11:30 **Linear extension rates of massive corals from Nusa Penida, Bali (Coral Triangle Initiative region) in relation to climate change**

Ali Arman, National Nuclear Energy Agency, Indonesia

11:30-12:00 **Analysis of spatial distribution and temporal trend of soil moisture over the Tibetan Plateau from 1978 to 2013**

Xianhong Meng, Chinese Academy of Science, China

12:00-12:30 **Integrated geophysical and bioengineering techniques to protect landslide hazards at the South and North of Thailand**

Desell Suanburi, Kasetsart University, Thailand

12:30-13:00 **Failure mechanism of Rangwamual Landslide, Aizawl, Mizoram, India**

Rahul Verma, Pachhunga University College, India

Lunch Break 13:00-13:50 @ Public Restaurant

13:50-14:20 **The threats and impacts of climatic changes**

Shahnaz Jamil, MLSM College, Darbhanga, India

14:20-14:50 **Uranocatharsis project, space debris as cloud-sculptures shading our planet**

Isadora Sau Lan Mack, Charles Darwin University, Australia

14:50-15:15 **Estimation of carbon fluxes for the South Asian region using maximum likelihood ensemble filter (MLEF)**

K M P Perera, University of Sri Jayewardenepura, Sri Lanka

Poster Session with Networking & Refreshments 15:15-15:45 @ Foyer

ES-01 **Holocene sea surface temperature and salinity variation in the northern South China Sea as modulated by the Kuroshio Current intrusion**

Shuhuan Du, Chinese Academy of Sciences, China

ES-02 **Spatial and temporal variations in NPP of vegetated land responding to temperature changes for different temperature zones of China**

Shaoying Li, Guangzhou University, China

- ES-03 **Analysis of water footprint in Guangdong, China**
Zhou Tao, Guangzhou University, China
- ES-04 **CO₂ migration behavior in a multi-layered system**
Jeong-Chan Kim, Korea Institute of Geoscience and Mineral Resources, Korea
- ES-05 **Applicability of the multi-channel surface-soil CO₂-concentration monitoring (SCM) system as a soil CO₂ monitoring tool**
Jeong-Chan Kim, Korea Institute of Geoscience and Mineral Resources, Korea
- ES-06 **Reverse logistics system network planning in E-commerce express industry based on the coordinative development of economy and environment**
Yanning Jiang, Guangzhou University, China
- ES-07 **Estimation of aerosol particle density, dynamic shape factor and mass concentration during the Metro Manila Air Quality Characterization Experiment (MACE) 2015**
G A Catipay, Ateneo de Manila University, Philippines
- ES-08 **The dilemma of marginal land for biofuels strategy in China**
Chen Yuqi, China Land Surveying and Planning Institute, China
- ES-09 **Land resources quantity-quality ecological monitoring technique**
Chunyan Lv, China Land Surveying and Planning Institute, China
- ES-10 **How much zinc is accumulated in soil microbial biomass?**
Farshid Nourbakhsh, University of Technology, Iran

Keynote Talk

- 15:45-16:30 **Scientific declaration about the urgency of global geoeological systems for humanity survival at the epoch of cosmoplanetary and climate changes**
Alexander Trofimov, International Scientific Research Institute of Cosmic Anthropoecology, Russia
- 16:30-17:00 **Phenological characteristics of *Ficus microcarpa* under climate range**
Shuling Lin, Guangzhou University, China
- 17:00-17:30 **Cooling event in the boundary of Middle/Late Eocene of Java**
Eko Budi Lelono, LEMIGAS, Indonesia
- 17:30-18:00 **Global geoeological system of human life-support in the epoch of cosmoplanetary and climatic changes**
Alexander Trofimov, International Scientific Research Institute of Cosmic Anthropoecology, Russia

Panel Discussion

Day 3 July 27, 2016

Busarakam Ballroom 1

Sessions:

Atmospheric Chemistry | Geology | Geosciences

Session Chair: Arndt Schimmelmann, Indiana University, USA

Session Co-Chair: Vasco M N C S Vieira, Universidade Técnica de Lisboa Técnico, Portugal

Session Introduction

- 09:30-10:00 **Vietnam's tropical karst is a sink for atmospheric methane greenhouse gas**
Arndt Schimmelmann, Indiana University, USA
- 10:00-10:30 **Coupling the atmospheric to the coastal ocean components of the Earth-System (I): Estimating the solubility of greenhouse gases and aerosols**
Vasco M N C S Vieira, Universidade Técnica de Lisboa Técnico, Portugal
- 10:45-11:15 **Coupling the atmospheric to the coastal ocean components of the Earth-System (II): Estimating transfer velocities of greenhouse gases and aerosols**
Vasco M N C S Vieira, Universidade Técnica de Lisboa Técnico, Portugal
- 11:15-11:45 **Trans-boundary geosciences and climate change adaptation in East and Southeast Asia – Role of CCOP**
Adichat Surinkum, CCOP - Coordinating Committee for Geoscience Programmes in East and Southeast Asia, Thailand
- 11:45-12:15 **A model on the effect of petroleum production on Earth's temperature**
George Chilingar and M Mehdi M Shamsi, University of Southern California, USA

- 13:00-13:30 **Radon and carbon dioxide in northern Vietnamese limestone caves**
Duong Nguyen-Thuy, VNU University of Science, Vietnam
Effects of environmental and biotic factors on carbon isotopic fractionation during decomposition of soil organic matter
- 13:30-14:00
Guoan Wang, China Agricultural University, China

Closing Ceremony



Bookmark your dates

6th International Conference on

Earth Science and Climate Change

September 18-19, 2017 Macau, Hong Kong

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