Tentative Program

6th International Conference on
Earth Science and Climate Change
September 18-19, 2017  Macau, China

Interactive Sessions  Keynote Lectures  Plenary Lectures  Workshops
Exhibitors  B2B Meetings

***For available speaker slots***
earthscience@earthscienceconferences.com

www.earthscience.conferenceseries.com
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:00-09:00</td>
<td>Registration/Reception</td>
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<tr>
<td>09:00-09:15</td>
<td>Inaugural Session</td>
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<tr>
<td>09:15-09:45</td>
<td>3 Plenary Lectures</td>
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<tr>
<td>09:45-10:15</td>
<td>Plenary Talk 1</td>
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<tr>
<td>10:15-10:45</td>
<td>Plenary Talk 2</td>
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<td>Plenary Talk 3</td>
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<td></td>
<td>Panel Discussion and Group Photograph</td>
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<tr>
<td>10:45-11:00</td>
<td>Coffee/Tea Break 10:45-11:00 (Networking)</td>
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<tr>
<td>11:00-13:00</td>
<td>Track 1 and Track 2</td>
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<tr>
<td></td>
<td>6 speakers (20 min each)</td>
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<tr>
<td>13:00-14:00</td>
<td>Lunch Break 13:00-14:00</td>
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<tr>
<td>14:00-15:40</td>
<td>Track 3 and Track 4</td>
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<tr>
<td></td>
<td>5 speakers (20 min each)</td>
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<tr>
<td>15:40-16:00</td>
<td>Coffee/Tea Break 15:40-16:00 (Networking)</td>
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<tr>
<td>16:00-18:00</td>
<td>Track 5 and Track 6</td>
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<tr>
<td></td>
<td>6 speakers (20 min each)</td>
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<tr>
<td>Day 2</td>
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<tr>
<td>09:00-11:00</td>
<td>Track 7 and Track 8</td>
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<td></td>
<td>6 speakers (20 min each)</td>
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<tr>
<td></td>
<td>Coffee/Tea Break 11:00-11:30 (Networking)</td>
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<tr>
<td>11:30-13:30</td>
<td>Track 9 and Track 10</td>
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<tr>
<td></td>
<td>6 speakers (20 min each)</td>
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<td></td>
<td>Lunch Break 13:30-14:30</td>
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<tr>
<td>14:30-16:30</td>
<td>Track 11 and Track 12</td>
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<tr>
<td></td>
<td>6 speakers (20 min each)</td>
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For more Details PS: www.earthscience.conferenceseries.com
E-mail: earthscience@geologyseries.com earthscience@earthscienceconferences.com
Conference Highlights

• Geological Sciences and Natural Hazards
• Land and soil sciences
• Hydrological science (all timescales)
• Marine sciences and Oceanography
• Atmospheric Sciences and Meteorology
• Planetary and Space Sciences
• Remote sensing and Geospatial Science
• Pollution and Environmental Issues
• The Science of Climate Change, and the Anthropogenic Role
• El Nino and La Nina, and Climate Variability & Predictability
• The Paris Agreement, and Climate Adaptation and Mitigation
• Renewable Energy and Sustainable Development

For detailed sessions, please visit: www.earthscience.conferenceseries.com
Submit your abstract online at: www.earthscience.conferenceseries.com/abstract-submission.php
Register online: www.earthscience.conferenceseries.com/registration.php
A sincere thank you to the 2017 Organizing Committee Members
Plan your Trip to Macau
## Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-09:45</td>
<td><strong>Title: The grand challenges of emerging environmental issues</strong></td>
<td>Ahn Ji Whan</td>
<td>Korea Institute of Geosciences and Mineral Resources, Korea</td>
</tr>
<tr>
<td>09:45-10:30</td>
<td><strong>Title: Learning experience and geoethics for human and natural sustainability</strong></td>
<td>David Crookall</td>
<td>Université de Nice Sophia Antipolis, France</td>
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</tbody>
</table>

## 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

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<tbody>
<tr>
<td>10:45-11:15</td>
<td><strong>Title: Climate change and soils</strong></td>
<td>Judith M Tisdall</td>
<td>La Trobe University, Australia</td>
</tr>
<tr>
<td>11:15-11:45</td>
<td><strong>Title: Remote sensing for marine autotrophic dynamics and diversity: Recent advances and opportunities</strong></td>
<td>Shovonlal Roy</td>
<td>University of Reading, UK</td>
</tr>
<tr>
<td>11:45-12:15</td>
<td><strong>Title: 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</strong></td>
<td>Shadung J Moja</td>
<td>Council for Geoscience, South Africa</td>
</tr>
<tr>
<td>12:15-12:45</td>
<td><strong>Title: Carbon and nitrogen changes affected by elevated temperature and CO₂ under the open top chamber environment in rice paddy</strong></td>
<td>Seung-Chang Hong</td>
<td>National Institute of Agricultural Sciences, Korea</td>
</tr>
<tr>
<td>12:45-13:15</td>
<td><strong>Title: Incorporating remote sensing data for high spatiotemporal groundwater management in data limited regions: A case study in India</strong></td>
<td>Pennan Chinnasamy</td>
<td>International Water Management Institute, Sri Lanka</td>
</tr>
<tr>
<td>13:45-14:15</td>
<td><strong>Title: Controlling methane emissions in a vermicompost-applied maapag paddy soil during rice cultivation</strong></td>
<td>Nonilona P Daquiado</td>
<td>Central Mindanao University, Philippines</td>
</tr>
<tr>
<td>14:15-14:45</td>
<td><strong>Title: Converting of rubber-latex processing wastewater to biogas production using the anaerobic baffled reactor (ABR)</strong></td>
<td>Chavalit Ratanatamskul</td>
<td>Chulalongkorn University, Thailand</td>
</tr>
<tr>
<td>14:45-15:15</td>
<td><strong>Title: Characteristics of the overflow pollution of storm drains with inappropriate sewage entry</strong></td>
<td>Hailong Yin</td>
<td>Tongji University, China</td>
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**Networking & Refreshments 10:30-10:45 @ Foyer**

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

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

09:15-09:45 Title: 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 Title: 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 Title: Frozen ground temperature trends associated with climate change in the Tibetan Plateau
Siqiong Luo, Chinese Academy of Science, China

11:00-11:30 Title: 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 Title: 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 Title: 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 Title: 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 Title: The threats and impacts of climatic changes
Shahnaz Jamil, MLM College, Darbhanga, India

14:20-14:50 Title: Uranocatharsis project, space debris as cloud-sculptures shading our planet
Isadora Sau Lan Mack, Charles Darwin University, Australia

14:50-15:15 Title: 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 Presentation with Networking & Refreshments 15:15-15:45 @ Foyer

ES-01 Title: 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 Title: Spatial and temporal variations in NPP of vegetated land responding to temperature changes for different temperature zones of China
Shaoying Li, Guangzhou University, China
Title: Analysis of water footprint in Guangdong, China
Zhou Tao, Guangzhou University, China

Title: CO\textsubscript{2} migration behavior in a multi-layered system
Jeong-Chan Kim, Korea Institute of Geoscience and Mineral Resources, Korea

Title: Applicability of the multi-channel surface-soil CO\textsubscript{2}-concentration monitoring (SCM) system as a soil CO\textsubscript{2} monitoring tool
Jeong-Chan Kim, Korea Institute of Geoscience and Mineral Resources, Korea

Title: Reverse logistics system network planning in E-commerce express industry based on the coordinative development of economy and environment
Yanning Jiang, Guangzhou University, China

Title: 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

Title: The dilemma of marginal land for biofuels strategy in China
Chen Yuqi, China Land Surveying and Planning Institute, China

Title: Land resources quantity-quality ecological monitoring technique
Chunyan Lv, China Land Surveying and Planning Institute, China

Title: How much zinc is accumulated in soil microbial biomass?
Farshid Nourbakhsh, University of Technology, Iran

Title: 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

Title: Phenological characteristics of Ficus microcarpa under climate range
Shuling Lin, Guangzhou University, China

Title: Cooling event in the boundary of Middle/Late Eocene of Java
Eko Budi Lelono, LEMIGAS, Indonesia

Title: 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

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

Title: Vietnam’s tropical karst is a sink for atmospheric methane greenhouse gas
Arndt Schimmelmann, Indiana University, USA

Title: Coupling the atmospheric to the coastal ocean components of the Earth-System (I):
Vasco M N C S Vieira, Universidade Técnica de Lisboa Técnico, Portugal

Networking & Refreshment Break 10:30-10:45 @ Foyer

Title: Coupling the atmospheric to the coastal ocean components of the Earth-System (II):
Vasco M N C S Vieira, Universidade Técnica de Lisboa Técnico, Portugal

Title: 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

Title: A model on the effect of petroleum production on Earth’s temperature
George Chilingar and M Mehdi M Shamsi, University of Southern California, USA
Title: Radon and carbon dioxide in northern Vietnamese limestone caves  
Duong Nguyen-Thuy, VNU University of Science, Vietnam  
Title: Effects of environmental and biotic factors on carbon isotopic fractionation during decomposition of soil organic matter  
Guoan Wang, China Agricultural University, China